

Form 5500 Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Annual Return/Report of Employee Benefit Plan This form is required to be filed for employee benefit plans under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and sections 6057(b) and 6058(a) of the Internal Revenue Code (the Code). ▶ Complete all entries in accordance with the instructions to the Form 5500.	OMB Nos. 1210-0110 1210-0089 2021 This Form is Open to Public Inspection
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Part I	Annual Report Identification Information
For calendar plan year 2021 or fiscal plan year beginning <u>01/01/2021</u> and ending <u>12/31/2021</u>	
A This return/report is for:	☐ a multiemployer plan ☐ a multiple-employer plan (Filers checking this box must attach a list of participating employer information in accordance with the form instructions.) ☒ a single-employer plan ☐ a DFE (specify) _____
B This return/report is:	☐ the first return/report ☐ the final return/report ☒ an amended return/report ☐ a short plan year return/report (less than 12 months)
C If the plan is a collectively-bargained plan, check here.	☐
D Check box if filing under:	☒ Form 5558 ☐ automatic extension ☐ the DFVC program ☐ special extension (enter description)
E If this is a retroactively adopted plan permitted by SECURE Act section 201, check here.	☐

Part II	Basic Plan Information—enter all requested information												
1a Name of plan <u>ADVANCED IMPACT TECHNOLOGIES GROUP 401(K) PLAN</u>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">1b Three-digit plan number (PN) ▶</td> <td style="width: 20%; text-align: center;"><u>001</u></td> </tr> <tr> <td colspan="2">1c Effective date of plan <u>05/01/2007</u></td> </tr> <tr> <td colspan="2">2b Employer Identification Number (EIN) <u>81-3652561</u></td> </tr> <tr> <td colspan="2">2c Plan Sponsor's telephone number <u>413-637-5001</u></td> </tr> <tr> <td colspan="2">2d Business code (see instructions) <u>327210</u></td> </tr> <tr> <td colspan="2" style="background-color: #cccccc;"> </td> </tr> </table>	1b Three-digit plan number (PN) ▶	<u>001</u>	1c Effective date of plan <u>05/01/2007</u>		2b Employer Identification Number (EIN) <u>81-3652561</u>		2c Plan Sponsor's telephone number <u>413-637-5001</u>		2d Business code (see instructions) <u>327210</u>			
1b Three-digit plan number (PN) ▶	<u>001</u>												
1c Effective date of plan <u>05/01/2007</u>													
2b Employer Identification Number (EIN) <u>81-3652561</u>													
2c Plan Sponsor's telephone number <u>413-637-5001</u>													
2d Business code (see instructions) <u>327210</u>													
2a Plan sponsor's name (employer, if for a single-employer plan) Mailing address (include room, apt., suite no. and street, or P.O. Box) City or town, state or province, country, and ZIP or foreign postal code (if foreign, see instructions) <u>ADVANCED IMPACT TECHNOLOGIES GROUP</u> <u>14 FEDERICO DRIVE</u> <u>PITTSFIELD, MA 01201</u>													

Caution: A penalty for the late or incomplete filing of this return/report will be assessed unless reasonable cause is established.

Under penalties of perjury and other penalties set forth in the instructions, I declare that I have examined this return/report, including accompanying schedules, statements and attachments, as well as the electronic version of this return/report, and to the best of my knowledge and belief, it is true, correct, and complete.

SIGN HERE	Filed with authorized/valid electronic signature.	08/17/2023	JEFFREY BESSE
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
SIGN HERE	Filed with authorized/valid electronic signature.	08/17/2023	JEFFREY BESSE
	Signature of employer/plan sponsor	Date	Enter name of individual signing as employer or plan sponsor
SIGN HERE			
	Signature of DFE	Date	Enter name of individual signing as DFE

For Paperwork Reduction Act Notice, see the Instructions for Form 5500.

3a Plan administrator's name and address ☐ Same as Plan Sponsor ADVANCED IMPACT TECHNOLOGIES GROUP 14 FEDERICO DRIVE PITTSFIELD, MA 01201	3b Administrator's EIN 81-3652561 3c Administrator's telephone number 413-637-5001
4 If the name and/or EIN of the plan sponsor or the plan name has changed since the last return/report filed for this plan, enter the plan sponsor's name, EIN, the plan name and the plan number from the last return/report: a Sponsor's name c Plan Name	4b EIN 4d PN
5 Total number of participants at the beginning of the plan year	5 160
6 Number of participants as of the end of the plan year unless otherwise stated (welfare plans complete only lines 6a(1) , 6a(2) , 6b , 6c , and 6d). a(1) Total number of active participants at the beginning of the plan year..... a(2) Total number of active participants at the end of the plan year b Retired or separated participants receiving benefits..... c Other retired or separated participants entitled to future benefits d Subtotal. Add lines 6a(2) , 6b , and 6c e Deceased participants whose beneficiaries are receiving or are entitled to receive benefits. f Total. Add lines 6d and 6e g Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item) h Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested	6a(1) 122 6a(2) 108 6b 0 6c 39 6d 147 6e 0 6f 147 6g 113 6h 0
7 Enter the total number of employers obligated to contribute to the plan (only multiemployer plans complete this item).....	7
8a If the plan provides pension benefits, enter the applicable pension feature codes from the List of Plan Characteristics Codes in the instructions: 2E 2F 2G 2J 2K 2T 3D 3H b If the plan provides welfare benefits, enter the applicable welfare feature codes from the List of Plan Characteristics Codes in the instructions:	
9a Plan funding arrangement (check all that apply) (1) ☒ Insurance (2) ☐ Code section 412(e)(3) insurance contracts (3) ☒ Trust (4) ☐ General assets of the sponsor	9b Plan benefit arrangement (check all that apply) (1) ☒ Insurance (2) ☐ Code section 412(e)(3) insurance contracts (3) ☒ Trust (4) ☐ General assets of the sponsor
10 Check all applicable boxes in 10a and 10b to indicate which schedules are attached, and, where indicated, enter the number attached. (See instructions)	
a Pension Schedules (1) ☒ R (Retirement Plan Information) (2) ☐ MB (Multiemployer Defined Benefit Plan and Certain Money Purchase Plan Actuarial Information) - signed by the plan actuary (3) ☐ SB (Single-Employer Defined Benefit Plan Actuarial Information) - signed by the plan actuary	b General Schedules (1) ☒ H (Financial Information) (2) ☐ I (Financial Information – Small Plan) (3) ☒ <u>1</u> A (Insurance Information) (4) ☒ C (Service Provider Information) (5) ☒ D (DFE/Participating Plan Information) (6) ☐ G (Financial Transaction Schedules)

Part III Form M-1 Compliance Information (to be completed by welfare benefit plans)

11a If the plan provides welfare benefits, was the plan subject to the Form M-1 filing requirements during the plan year? (See instructions and 29 CFR 2520.101-2.) ☐ Yes ☐ No

If "Yes" is checked, complete lines 11b and 11c.

11b Is the plan currently in compliance with the Form M-1 filing requirements? (See instructions and 29 CFR 2520.101-2.) ☐ Yes ☐ No

11c Enter the Receipt Confirmation Code for the 2021 Form M-1 annual report. If the plan was not required to file the 2021 Form M-1 annual report, enter the Receipt Confirmation Code for the most recent Form M-1 that was required to be filed under the Form M-1 filing requirements. (Failure to enter a valid Receipt Confirmation Code will subject the Form 5500 filing to rejection as incomplete.)

Receipt Confirmation Code _____

SCHEDULE A (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Insurance Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA). ▶ File as an attachment to Form 5500. ▶ Insurance companies are required to provide the information pursuant to ERISA section 103(a)(2).	OMB No. 1210-0110 2021 This Form is Open to Public Inspection
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For calendar plan year 2021 or fiscal plan year beginning 01/01/2021 and ending 12/31/2021	
A Name of plan ADVANCED IMPACT TECHNOLOGIES GROUP 401(K) PLAN	B Three-digit plan number (PN) ▶ 001
C Plan sponsor's name as shown on line 2a of Form 5500 ADVANCED IMPACT TECHNOLOGIES GROUP	D Employer Identification Number (EIN) 81-3652561

Part I	Information Concerning Insurance Contract Coverage, Fees, and Commissions	Provide information for each contract on a separate Schedule A. Individual contracts grouped as a unit in Parts II and III can be reported on a single Schedule A.
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1 Coverage Information:

(a) Name of insurance carrier
MASSACHUSETTS MUTUAL LIFE INSURANCE COMPANY

(b) EIN	(c) NAIC code	(d) Contract or identification number	(e) Approximate number of persons covered at end of policy or contract year	Policy or contract year	
				(f) From	(g) To
04-1590850	65935	RM 85975-1	113	01/01/2021	12/31/2021

2 Insurance fee and commission information. Enter the total fees and total commissions paid. List in line 3 the agents, brokers, and other persons in descending order of the amount paid.

(a) Total amount of commissions paid 15489	(b) Total amount of fees paid 0
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3 Persons receiving commissions and fees. (Complete as many entries as needed to report all persons).

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid
MML INVESTORS SERVICES, INC. 1295 STATE STREET
SPRINGFIELD, MA 01111

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	
14375			4

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid
PETER S. NOVAK 734 LONGMEADOW STREET
#312
LONGMEADOW, MA 01106

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	
1114			3

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

Part II Investment and Annuity Contract Information

Where individual contracts are provided, the entire group of such individual contracts with each carrier may be treated as a unit for purposes of this report.

4	Current value of plan's interest under this contract in the general account at year end	4	
5	Current value of plan's interest under this contract in separate accounts at year end.....	5	5383186

6 Contracts With Allocated Funds:**a** State the basis of premium rates ▶

b	Premiums paid to carrier	6b	
c	Premiums due but unpaid at the end of the year	6c	
d	If the carrier, service, or other organization incurred any specific costs in connection with the acquisition or retention of the contract or policy, enter amount. Specify nature of costs ▶	6d	

e Type of contract: (1) ☐ individual policies (2) ☒ group deferred annuity
(3) ☐ other (specify) ▶

f If contract purchased, in whole or in part, to distribute benefits from a terminating plan, check here ▶ ☐**7** Contracts With Unallocated Funds (Do not include portions of these contracts maintained in separate accounts)

a Type of contract: (1) ☐ deposit administration (2) ☐ immediate participation guarantee
(3) ☐ guaranteed investment (4) ☒ other ▶ **GROUP ANNUITY CONTRACT**

b	Balance at the end of the previous year	7b	722264
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c	Additions: (1) Contributions deposited during the year	7c(1)	1064252	
	(2) Dividends and credits.....	7c(2)	0	
	(3) Interest credited during the year.....	7c(3)	8297	
	(4) Transferred from separate account.....	7c(4)	0	
	(5) Other (specify below)	7c(5)	165253	

▶ LN INT, PRIN, LN DEFAULT & OFFSET, TRANS ASSETS, TRANS FORS

(6) Total additions	7c(6)	1237802
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d	Total of balance and additions (add lines 7b and 7c(6))	7d	1960066
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e Deductions:

	(1) Disbursed from fund to pay benefits or purchase annuities during year	7e(1)	31546	
	(2) Administration charge made by carrier.....	7e(2)	2426	
	(3) Transferred to separate account.....	7e(3)	1156379	
	(4) Other (specify below)	7e(4)	15519	

▶ LOAN DISTRIBUTION

(5) Total deductions	7e(5)	1205870
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f	Balance at the end of the current year (subtract line 7e(5) from line 7d)	7f	754196
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Part III Welfare Benefit Contract Information

If more than one contract covers the same group of employees of the same employer(s) or members of the same employee organizations(s), the information may be combined for reporting purposes if such contracts are experience-rated as a unit. Where contracts cover individual employees, the entire group of such individual contracts with each carrier may be treated as a unit for purposes of this report.

8 Benefit and contract type (check all applicable boxes)

- a** ☐ Health (other than dental or vision)
 b ☐ Dental
 c ☐ Vision
 d ☐ Life insurance
e ☐ Temporary disability (accident and sickness)
 f ☐ Long-term disability
 g ☐ Supplemental unemployment
 h ☐ Prescription drug
i ☐ Stop loss (large deductible)
 j ☐ HMO contract
 k ☐ PPO contract
 l ☐ Indemnity contract
m ☐ Other (specify) ▶

9 Experience-rated contracts:

a Premiums: (1) Amount received	9a(1)		
(2) Increase (decrease) in amount due but unpaid	9a(2)		
(3) Increase (decrease) in unearned premium reserve	9a(3)		
(4) Earned ((1) + (2) - (3))		9a(4)	0
b Benefit charges (1) Claims paid	9b(1)		
(2) Increase (decrease) in claim reserves	9b(2)		
(3) Incurred claims (add (1) and (2))		9b(3)	0
(4) Claims charged		9b(4)	
c Remainder of premium: (1) Retention charges (on an accrual basis) --			
(A) Commissions	9c(1)(A)		
(B) Administrative service or other fees	9c(1)(B)		
(C) Other specific acquisition costs	9c(1)(C)		
(D) Other expenses	9c(1)(D)		
(E) Taxes	9c(1)(E)		
(F) Charges for risks or other contingencies	9c(1)(F)		
(G) Other retention charges	9c(1)(G)		
(H) Total retention		9c(1)(H)	0
(2) Dividends or retroactive rate refunds. (These amounts were ☐ paid in cash, or ☐ credited.)		9c(2)	
d Status of policyholder reserves at end of year: (1) Amount held to provide benefits after retirement		9d(1)	
(2) Claim reserves		9d(2)	
(3) Other reserves		9d(3)	
e Dividends or retroactive rate refunds due. (Do not include amount entered in line 9c(2).)		9e	

10 Nonexperience-rated contracts:

a Total premiums or subscription charges paid to carrier	10a	
b If the carrier, service, or other organization incurred any specific costs in connection with the acquisition or retention of the contract or policy, other than reported in Part I, line 2 above, report amount. Specify nature of costs.	10b	

Part IV Provision of Information

11 Did the insurance company fail to provide any information necessary to complete Schedule A? ☐ Yes ☒ No

12 If the answer to line 11 is "Yes," specify the information not provided. ▶

SCHEDULE C (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Service Provider Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA). ▶ File as an attachment to Form 5500.	OMB No. 1210-0110
		2021
		This Form is Open to Public Inspection.

For calendar plan year 2021 or fiscal plan year beginning 01/01/2021 and ending 12/31/2021		
A Name of plan ADVANCED IMPACT TECHNOLOGIES GROUP 401(K) PLAN	B Three-digit plan number (PN) ▶	001
C Plan sponsor's name as shown on line 2a of Form 5500 ADVANCED IMPACT TECHNOLOGIES GROUP	D Employer Identification Number (EIN) 81-3652561	

Part I	Service Provider Information (see instructions)
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You must complete this Part, in accordance with the instructions, to report the information required for **each person** who received, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of monetary value) in connection with services rendered to the plan or the person's position with the plan during the plan year. If a person received **only** eligible indirect compensation for which the plan received the required disclosures, you are required to answer line 1 but are not required to include that person when completing the remainder of this Part.

1 Information on Persons Receiving Only Eligible Indirect Compensation

- a** Check "Yes" or "No" to indicate whether you are excluding a person from the remainder of this Part because they received only eligible indirect compensation for which the plan received the required disclosures (see instructions for definitions and conditions)..... ☐ Yes ☒ No
- b** If you answered line 1a "Yes," enter the name and EIN or address of each person providing the required disclosures for the service providers who received only eligible indirect compensation. Complete as many entries as needed (see instructions).

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation
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(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

MASSACHUSETTS MUTUAL LIFE INS CO.

1295 STATE STREET
SPRINGFIELD, MA 01111-0001

04-1590850

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
52 60 62 63 64 68 72	CONTRACT ADMINISTRATOR	22373	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☒ No ☐

(a) Enter name and EIN or address (see instructions)

STRATEGIC PENSION SERVICES, LLC

376 ALBANY SHAKER ROAD
ALBANY, NY 12211

14-1836262

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
13 14	THIRD PARTY ADMINISTRATOR	0	Yes ☒ No ☐	Yes ☐ No ☒	6118	Yes ☐ No ☒

(a) Enter name and EIN or address (see instructions)

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
			Yes ☐ No ☐	Yes ☐ No ☐		Yes ☐ No ☐

Part I Service Provider Information (continued)

3. If you reported on line 2 receipt of indirect compensation, other than eligible indirect compensation, by a service provider, and the service provider is a fiduciary or provides contract administrator, consulting, custodial, investment advisory, investment management, broker, or recordkeeping services, answer the following questions for (a) each source from whom the service provider received \$1,000 or more in indirect compensation and (b) each source for whom the service provider gave you a formula used to determine the indirect compensation instead of an amount or estimated amount of the indirect compensation. Complete as many entries as needed to report the required information for each source.

(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
STRATEGIC PENSION SERVICES, LLC	13 14	6118
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
MASSACHUSETTE MUTUAL LIFE INS CO 1295 STATE STREET SPRINGFIELD, MA 01111 04-2746212	EXPENSE REIMBURSEMENT TO THIRD PARTY ADMINISTRATOR	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	

Part II Service Providers Who Fail or Refuse to Provide Information

4 Provide, to the extent possible, the following information for each service provider who failed or refused to provide the information necessary to complete this Schedule.

(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
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(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide

Part III Termination Information on Accountants and Enrolled Actuaries (see instructions)
(complete as many entries as needed)

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

SCHEDULE D (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration	DFE/Participating Plan Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA). ► File as an attachment to Form 5500.	OMB No. 1210-0110 2021 This Form is Open to Public Inspection.
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For calendar plan year 2021 or fiscal plan year beginning 01/01/2021 and ending 12/31/2021

A Name of plan <u>ADVANCED IMPACT TECHNOLOGIES GROUP 401(K) PLAN</u>	B Three-digit plan number (PN) ►	<u>001</u>
C Plan or DFE sponsor's name as shown on line 2a of Form 5500 <u>ADVANCED IMPACT TECHNOLOGIES GROUP</u>	D Employer Identification Number (EIN) <u>81-3652561</u>	

Part I	Information on interests in MTIAs, CCTs, PSAs, and 103-12 IEs (to be completed by plans and DFEs) (Complete as many entries as needed to report all interests in DFEs)
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a Name of MTIA, CCT, PSA, or 103-12 IE: <u>SIA-CB (REAL ESTATE)</u>				
b Name of sponsor of entity listed in (a): <u>MASSACHUSETTS MUTUAL LIFE INSURANCE COMPANY</u>				
c EIN-PN <u>04-1590850-000</u>	d Entity code <u>P</u>	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) <u>59859</u>		
a Name of MTIA, CCT, PSA, or 103-12 IE: <u>SIA-CBP (MM RSL 2000 SMCAP INDEX)</u>				
b Name of sponsor of entity listed in (a): <u>MASSACHUSETTS MUTUAL LIFE INSURANCE COMPANY</u>				
c EIN-PN <u>90-0779283-000</u>	d Entity code <u>P</u>	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) <u>82883</u>		
a Name of MTIA, CCT, PSA, or 103-12 IE: <u>SIA-CBW (MM S&P MID CAP INDEX)</u>				
b Name of sponsor of entity listed in (a): <u>MASSACHUSETTS MUTUAL LIFE INSURANCE COMPANY</u>				
c EIN-PN <u>90-0779283-000</u>	d Entity code <u>P</u>	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) <u>87109</u>		
a Name of MTIA, CCT, PSA, or 103-12 IE: <u>SIA-CCC (MM MSCI EAFE INTL INDEX)</u>				
b Name of sponsor of entity listed in (a): <u>MASSACHUSETTS MUTUAL LIFE INSURANCE COMPANY</u>				
c EIN-PN <u>90-0779283-000</u>	d Entity code <u>P</u>	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) <u>130967</u>		
a Name of MTIA, CCT, PSA, or 103-12 IE: <u>SIA-E0 MM SEL T.ROWEPRICE RET 2025</u>				
b Name of sponsor of entity listed in (a): <u>MASSACHUSETTS MUTUAL LIFE INSURANCE COMPANY</u>				
c EIN-PN <u>90-0342299-000</u>	d Entity code <u>P</u>	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) <u>272333</u>		
a Name of MTIA, CCT, PSA, or 103-12 IE: <u>SIA-FO MM SEL T.ROWEPRICE RET 2035)</u>				
b Name of sponsor of entity listed in (a): <u>MASSACHUSETTS MUTUAL LIFE INSURANCE COMPANY</u>				
c EIN-PN <u>90-0342299-000</u>	d Entity code <u>P</u>	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) <u>123069</u>		
a Name of MTIA, CCT, PSA, or 103-12 IE: <u>SIA-GO MM SEL T.ROWEPRICE RET 2045)</u>				
b Name of sponsor of entity listed in (a): <u>MASSACHUSETTS MUTUAL LIFE INSURANCE COMPANY</u>				
c EIN-PN <u>90-0342299-000</u>	d Entity code <u>P</u>	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) <u>853208</u>		

a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-HO MM SEL T.ROWEPRICE RET 2055)		
b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE COMPANY		
c EIN-PN 90-0342299-000	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 444930
a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-JDV (INCOME)		
b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE COMPANY		
c EIN-PN 90-0779283-000	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 159957
a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-JH (PREMIER HIGH YIELD)		
b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE COMPANY		
c EIN-PN 04-1590850-000	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 232541
a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-JU (DISCIPLINED GROWTH)		
b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE COMPANY		
c EIN-PN 04-1590850-000	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 153153
a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-LT MM SEL T.ROWE PRICE RET 2020		
b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE COMPANY		
c EIN-PN 90-0342299-000	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 164148
a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-M8 (CEREDEX MID CP VAL EQ)		
b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE COMPANY		
c EIN-PN 90-0342299-000	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 187681
a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-OT MM SEL T.ROWE PRICE RET 2050		
b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE COMPANY		
c EIN-PN 90-0342299-000	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 61668
a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-PT MM SEL T.ROWE PRICE RET 2030		
b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE COMPANY		
c EIN-PN 90-0342299-000	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 221849
a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-QT MM SEL T.ROWE PRICE RET 2040		
b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE COMPANY		
c EIN-PN 90-0342299-000	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 108321
a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-SL (STRATEGIC INCOME)		
b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE COMPANY		
c EIN-PN 90-0342299-000	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 271660

a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-UA (EMERGING MARKETS EQUITY)		
b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE COMPANY		
c EIN-PN 90-0342299-000	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 53226
a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-YC (SMALL CAP GROWTH EQUITY)		
b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE COMPANY		
c EIN-PN 04-1590850-000	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 40282
a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-YE (CORE BOND)		
b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE COMPANY		
c EIN-PN 04-1590850-000	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 463257
a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-YG (U.S. GOVT MONEY MRKT)		
b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE COMPANY		
c EIN-PN 04-1590850-000	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 2392
a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-YI (INTERNATIONAL EQUITY)		
b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE COMPANY		
c EIN-PN 04-1590850-000	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 66903
a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-YK (FUNDAMENTAL VAL)		
b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE COMPANY		
c EIN-PN 04-1590850-000	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 230516
a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-YT (MID CAP GROWTH)		
b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE COMPANY		
c EIN-PN 04-1590850-000	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 48150
a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-YV (EQUITY OPPORTUNITIES)		
b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE COMPANY		
c EIN-PN 04-1590850-000	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 133641
a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-YX (MM S&P 500 INDEX)		
b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE COMPANY		
c EIN-PN 04-1590850-000	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 659361
a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-YY (SMALL COMPANY VALUE)		
b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE COMPANY		
c EIN-PN 04-1590850-000	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 56718

a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-CRK MM SEL TROWEPRICE RET 2060

b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE COMPANY

c EIN-PN 90-0779283-000	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 13405
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a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
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a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
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a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
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a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
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a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
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a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
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a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
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a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
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a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
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Part II Information on Participating Plans (to be completed by DFEs)

(Complete as many entries as needed to report all participating plans)

a Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
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plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN

SCHEDULE H (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Financial Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA), and section 6058(a) of the Internal Revenue Code (the Code). ► File as an attachment to Form 5500.	OMB No. 1210-0110 2021 This Form is Open to Public Inspection
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For calendar plan year 2021 or fiscal plan year beginning 01/01/2021 and ending 12/31/2021		
A Name of plan ADVANCED IMPACT TECHNOLOGIES GROUP 401(K) PLAN	B Three-digit plan number (PN)	001
C Plan sponsor's name as shown on line 2a of Form 5500 ADVANCED IMPACT TECHNOLOGIES GROUP	D Employer Identification Number (EIN) 81-3652561	

Part I	Asset and Liability Statement		
1 Current value of plan assets and liabilities at the beginning and end of the plan year. Combine the value of plan assets held in more than one trust. Report the value of the plan's interest in a commingled fund containing the assets of more than one plan on a line-by-line basis unless the value is reportable on lines 1c(9) through 1c(14). Do not enter the value of that portion of an insurance contract which guarantees, during this plan year, to pay a specific dollar benefit at a future date. Round off amounts to the nearest dollar. MTIAs, CCTs, PSAs, and 103-12 IEs do not complete lines 1b(1), 1b(2), 1c(8), 1g, 1h, and 1i. CCTs, PSAs, and 103-12 IEs also do not complete lines 1d and 1e. See instructions.			
	Assets	(a) Beginning of Year	(b) End of Year
a Total noninterest-bearing cash.....	1a		
b Receivables (less allowance for doubtful accounts):			
(1) Employer contributions	1b(1)	14587	23102
(2) Participant contributions.....	1b(2)	8444	6261
(3) Other	1b(3)		
c General investments:			
(1) Interest-bearing cash (include money market accounts & certificates of deposit)	1c(1)		
(2) U.S. Government securities	1c(2)		
(3) Corporate debt instruments (other than employer securities):			
(A) Preferred	1c(3)(A)		
(B) All other	1c(3)(B)		
(4) Corporate stocks (other than employer securities):			
(A) Preferred	1c(4)(A)		
(B) Common	1c(4)(B)		
(5) Partnership/joint venture interests	1c(5)		
(6) Real estate (other than employer real property)	1c(6)		
(7) Loans (other than to participants)	1c(7)		
(8) Participant loans	1c(8)	184712	179393
(9) Value of interest in common/collective trusts	1c(9)		
(10) Value of interest in pooled separate accounts	1c(10)	4420855	5383186
(11) Value of interest in master trust investment accounts	1c(11)		
(12) Value of interest in 103-12 investment entities	1c(12)		
(13) Value of interest in registered investment companies (e.g., mutual funds)	1c(13)		
(14) Value of funds held in insurance company general account (unallocated contracts).....	1c(14)	722264	754196
(15) Other.....	1c(15)		

		(a) Beginning of Year	(b) End of Year
1d Employer-related investments:			
(1) Employer securities.....	1d(1)		
(2) Employer real property.....	1d(2)		
e Buildings and other property used in plan operation	1e		
f Total assets (add all amounts in lines 1a through 1e)	1f	5350862	6346138

Liabilities

g Benefit claims payable	1g		
h Operating payables	1h		
i Acquisition indebtedness.....	1i		
j Other liabilities.....	1j		
k Total liabilities (add all amounts in lines 1g through 1j)	1k	0	0

Net Assets

l Net assets (subtract line 1k from line 1f)	1l	5350862	6346138
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Part II Income and Expense Statement

2 Plan income, expenses, and changes in net assets for the year. Include all income and expenses of the plan, including any trust(s) or separately maintained fund(s) and any payments/receipts to/from insurance carriers. Round off amounts to the nearest dollar. MTIAs, CCTs, PSAs, and 103-12 IEs do not complete lines 2a, 2b(1)(E), 2e, 2f, and 2g.

Income

		(a) Amount	(b) Total
a Contributions:			
(1) Received or receivable in cash from: (A) Employers	2a(1)(A)	807987	
(B) Participants	2a(1)(B)	262534	
(C) Others (including rollovers).....	2a(1)(C)		
(2) Noncash contributions.....	2a(2)		
(3) Total contributions. Add lines 2a(1)(A) , (B) , (C) , and line 2a(2)	2a(3)		1070521
b Earnings on investments:			
(1) Interest:			
(A) Interest-bearing cash (including money market accounts and certificates of deposit).....	2b(1)(A)		
(B) U.S. Government securities	2b(1)(B)		
(C) Corporate debt instruments	2b(1)(C)		
(D) Loans (other than to participants)	2b(1)(D)		
(E) Participant loans.....	2b(1)(E)	9846	
(F) Other	2b(1)(F)	8296	
(G) Total interest. Add lines 2b(1)(A) through (F)	2b(1)(G)		18142
(2) Dividends: (A) Preferred stock.....	2b(2)(A)		
(B) Common stock	2b(2)(B)		
(C) Registered investment company shares (e.g. mutual funds).....	2b(2)(C)		
(D) Total dividends. Add lines 2b(2)(A) , (B) , and (C)	2b(2)(D)		0
(3) Rents	2b(3)		
(4) Net gain (loss) on sale of assets: (A) Aggregate proceeds	2b(4)(A)		
(B) Aggregate carrying amount (see instructions).....	2b(4)(B)		
(C) Subtract line 2b(4)(B) from line 2b(4)(A) and enter result	2b(4)(C)		0
(5) Unrealized appreciation (depreciation) of assets: (A) Real estate	2b(5)(A)		
(B) Other	2b(5)(B)		
(C) Total unrealized appreciation of assets. Add lines 2b(5)(A) and (B)	2b(5)(C)		0

		(a) Amount	(b) Total
(6) Net investment gain (loss) from common/collective trusts.....	2b(6)		
(7) Net investment gain (loss) from pooled separate accounts.....	2b(7)		686794
(8) Net investment gain (loss) from master trust investment accounts.....	2b(8)		
(9) Net investment gain (loss) from 103-12 investment entities.....	2b(9)		
(10) Net investment gain (loss) from registered investment companies (e.g., mutual funds).....	2b(10)		
c Other income.....	2c		63
d Total income. Add all income amounts in column (b) and enter total.....	2d		1775520
Expenses			
e Benefit payment and payments to provide benefits:			
(1) Directly to participants or beneficiaries, including direct rollovers.....	2e(1)	757871	
(2) To insurance carriers for the provision of benefits.....	2e(2)		
(3) Other.....	2e(3)		
(4) Total benefit payments. Add lines 2e(1) through (3).....	2e(4)		757871
f Corrective distributions (see instructions).....	2f		
g Certain deemed distributions of participant loans (see instructions).....	2g		
h Interest expense.....	2h		
i Administrative expenses: (1) Professional fees.....	2i(1)		
(2) Contract administrator fees.....	2i(2)	22373	
(3) Investment advisory and management fees.....	2i(3)		
(4) Other.....	2i(4)		
(5) Total administrative expenses. Add lines 2i(1) through (4).....	2i(5)		22373
j Total expenses. Add all expense amounts in column (b) and enter total.....	2j		780244
Net Income and Reconciliation			
k Net income (loss). Subtract line 2j from line 2d.....	2k		995276
l Transfers of assets:			
(1) To this plan.....	2l(1)		
(2) From this plan.....	2l(2)		

Part III Accountant's Opinion

3 Complete lines 3a through 3c if the opinion of an independent qualified public accountant is attached to this Form 5500. Complete line 3d if an opinion is not attached.

a The attached opinion of an independent qualified public accountant for this plan is (see instructions):

(1) ☒ Unmodified (2) ☐ Qualified (3) ☐ Disclaimer (4) ☐ Adverse

b Check the appropriate box(es) to indicate whether the IQPA performed an ERISA section 103(a)(3)(C) audit. Check both boxes (1) and (2) if the audit was performed pursuant to both 29 CFR 2520.103-8 and 29 CFR 2520.103-12(d). Check box (3) if pursuant to neither.

(1) ☒ DOL Regulation 2520.103-8 (2) ☐ DOL Regulation 2520.103-12(d) (3) ☐ neither DOL Regulation 2520.103-8 nor DOL Regulation 2520.103-12(d).

c Enter the name and EIN of the accountant (or accounting firm) below:

(1) Name: MP, PC

(2) EIN: 04-3191789

d The opinion of an independent qualified public accountant is **not attached** because:

(1) ☐ This form is filed for a CCT, PSA, or MTIA. (2) ☐ It will be attached to the next Form 5500 pursuant to 29 CFR 2520.104-50.

Part IV Compliance Questions

4 CCTs and PSAs do not complete Part IV. MTIAs, 103-12 IEs, and GIAs do not complete lines 4a, 4e, 4f, 4g, 4h, 4k, 4m, 4n, or 5. 103-12 IEs also do not complete lines 4j and 4l. MTIAs also do not complete line 4l.

During the plan year:

a Was there a failure to transmit to the plan any participant contributions within the time period described in 29 CFR 2510.3-102? Continue to answer "Yes" for any prior year failures until fully corrected. (See instructions and DOL's Voluntary Fiduciary Correction Program.)

	Yes	No	Amount
4a	X		10051

	Yes	No	Amount
b Were any loans by the plan or fixed income obligations due the plan in default as of the close of the plan year or classified during the year as uncollectible? Disregard participant loans secured by participant's account balance. (Attach Schedule G (Form 5500) Part I if "Yes" is checked.)			
4b		X	
c Were any leases to which the plan was a party in default or classified during the year as uncollectible? (Attach Schedule G (Form 5500) Part II if "Yes" is checked.)			
4c		X	
d Were there any nonexempt transactions with any party-in-interest? (Do not include transactions reported on line 4a. Attach Schedule G (Form 5500) Part III if "Yes" is checked.)			
4d		X	
e Was this plan covered by a fidelity bond?	X		500000
f Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty?		X	
4f		X	
g Did the plan hold any assets whose current value was neither readily determinable on an established market nor set by an independent third party appraiser?		X	
4g		X	
h Did the plan receive any noncash contributions whose value was neither readily determinable on an established market nor set by an independent third party appraiser?		X	
4h		X	
i Did the plan have assets held for investment? (Attach schedule(s) of assets if "Yes" is checked, and see instructions for format requirements.)	X		
4i	X		
j Were any plan transactions or series of transactions in excess of 5% of the current value of plan assets? (Attach schedule of transactions if "Yes" is checked and see instructions for format requirements.)		X	
4j		X	
k Were all the plan assets either distributed to participants or beneficiaries, transferred to another plan, or brought under the control of the PBGC?		X	
4k		X	
l Has the plan failed to provide any benefit when due under the plan?		X	
4l		X	
m If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.)		X	
4m		X	
n If 4m was answered "Yes," check the "Yes" box if you either provided the required notice or one of the exceptions to providing the notice applied under 29 CFR 2520.101-3.			
4n			

5a Has a resolution to terminate the plan been adopted during the plan year or any prior plan year? ☐ Yes ☒ No
If "Yes," enter the amount of any plan assets that reverted to the employer this year _____.

5b If, during this plan year, any assets or liabilities were transferred from this plan to another plan(s), identify the plan(s) to which assets or liabilities were transferred. (See instructions.)

5b(1) Name of plan(s)	5b(2) EIN(s)	5b(3) PN(s)

5c Was the plan a defined benefit plan covered under the PBGC insurance program at any time during this plan year? (See ERISA section 4021 and instructions.) ☐ Yes ☐ No ☐ Not determined
If "Yes" is checked, enter the My PAA confirmation number from the PBGC premium filing for this plan year _____.

SCHEDULE R (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Retirement Plan Information This schedule is required to be filed under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6058(a) of the Internal Revenue Code (the Code). ▶ File as an attachment to Form 5500.	OMB No. 1210-0110 2021 This Form is Open to Public Inspection.
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For calendar plan year 2021 or fiscal plan year beginning 01/01/2021 and ending 12/31/2021

A Name of plan ADVANCED IMPACT TECHNOLOGIES GROUP 401(K) PLAN	B Three-digit plan number (PN) ▶ 001
C Plan sponsor's name as shown on line 2a of Form 5500 ADVANCED IMPACT TECHNOLOGIES GROUP	D Employer Identification Number (EIN) 81-3652561

Part I	Distributions
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All references to distributions relate only to payments of benefits during the plan year.

1	Total value of distributions paid in property other than in cash or the forms of property specified in the instructions.....	1	0
2	Enter the EIN(s) of payor(s) who paid benefits on behalf of the plan to participants or beneficiaries during the year (if more than two, enter EINs of the two payors who paid the greatest dollar amounts of benefits): EIN(s): 04-1590850		
Profit-sharing plans, ESOPs, and stock bonus plans, skip line 3.			
3	Number of participants (living or deceased) whose benefits were distributed in a single sum, during the plan year	3	

Part II	Funding Information (If the plan is not subject to the minimum funding requirements of section 412 of the Internal Revenue Code or ERISA section 302, skip this Part.)
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4	Is the plan administrator making an election under Code section 412(d)(2) or ERISA section 302(d)(2)?	☐ Yes	☐ No	☐ N/A
If the plan is a defined benefit plan, go to line 8.				
5	If a waiver of the minimum funding standard for a prior year is being amortized in this plan year, see instructions and enter the date of the ruling letter granting the waiver. Date: Month _____ Day _____ Year _____ If you completed line 5, complete lines 3, 9, and 10 of Schedule MB and do not complete the remainder of this schedule.			
6	a Enter the minimum required contribution for this plan year (include any prior year accumulated funding deficiency not waived)	6a		
	b Enter the amount contributed by the employer to the plan for this plan year	6b		
	c Subtract the amount in line 6b from the amount in line 6a. Enter the result (enter a minus sign to the left of a negative amount)	6c		
If you completed line 6c, skip lines 8 and 9.				
7	Will the minimum funding amount reported on line 6c be met by the funding deadline?	☐ Yes	☐ No	☐ N/A
8	If a change in actuarial cost method was made for this plan year pursuant to a revenue procedure or other authority providing automatic approval for the change or a class ruling letter, does the plan sponsor or plan administrator agree with the change?	☐ Yes	☐ No	☐ N/A

Part III	Amendments
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9	If this is a defined benefit pension plan, were any amendments adopted during this plan year that increased or decreased the value of benefits? If yes, check the appropriate box. If no, check the "No" box.....	☐ Increase	☐ Decrease	☐ Both	☐ No
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Part IV	ESOPs (see instructions). If this is not a plan described under section 409(a) or 4975(e)(7) of the Internal Revenue Code, skip this Part.
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10	Were unallocated employer securities or proceeds from the sale of unallocated securities used to repay any exempt loan?	☐ Yes	☐ No
11	a Does the ESOP hold any preferred stock?	☐ Yes	☐ No
	b If the ESOP has an outstanding exempt loan with the employer as lender, is such loan part of a "back-to-back" loan? (See instructions for definition of "back-to-back" loan.)	☐ Yes	☐ No
12	Does the ESOP hold any stock that is not readily tradable on an established securities market?	☐ Yes	☐ No

For Paperwork Reduction Act Notice, see the Instructions for Form 5500.

Schedule R (Form 5500) 2021
v. 201209

Part V Additional Information for Multiemployer Defined Benefit Pension Plans

13 Enter the following information for each employer that contributed more than 5% of total contributions to the plan during the plan year (measured in dollars). See instructions. *Complete as many entries as needed to report all applicable employers.*

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

- 14** Enter the number of deferred vested and retired participants (inactive participants), as of the beginning of the plan year, whose contributing employer is no longer making contributions to the plan for:

a The current plan year. Check the box to indicate the counting method used to determine the number of inactive participants: ☐ last contributing employer ☐ alternative ☐ reasonable approximation (see instructions for required attachment).....

14a

b The plan year immediately preceding the current plan year. ☐ Check the box if the number reported is a change from what was previously reported (see instructions for required attachment).....

14b

c The second preceding plan year. ☐ Check the box if the number reported is a change from what was previously reported (see instructions for required attachment).....

14c

- 15** Enter the ratio of the number of participants under the plan on whose behalf no employer had an obligation to make an employer contribution during the current plan year to:

a The corresponding number for the plan year immediately preceding the current plan year.....

15a

b The corresponding number for the second preceding plan year.....

15b

- 16** Information with respect to any employers who withdrew from the plan during the preceding plan year:

a Enter the number of employers who withdrew during the preceding plan year.....

16a

b If line 16a is greater than 0, enter the aggregate amount of withdrawal liability assessed or estimated to be assessed against such withdrawn employers.....

16b

- 17** If assets and liabilities from another plan have been transferred to or merged with this plan during the plan year, check box and see instructions regarding supplemental information to be included as an attachment..... ☐

Part VI Additional Information for Single-Employer and Multiemployer Defined Benefit Pension Plans

- 18** If any liabilities to participants or their beneficiaries under the plan as of the end of the plan year consist (in whole or in part) of liabilities to such participants and beneficiaries under two or more pension plans as of immediately before such plan year, check box and see instructions regarding supplemental information to be included as an attachment..... ☐

- 19** If the total number of participants is 1,000 or more, complete lines (a) through (c)

a Enter the percentage of plan assets held as:

Stock: _____% Investment-Grade Debt: _____% High-Yield Debt: _____% Real Estate: _____% Other: _____%

b Provide the average duration of the combined investment-grade and high-yield debt:

☐ 0-3 years ☐ 3-6 years ☐ 6-9 years ☐ 9-12 years ☐ 12-15 years ☐ 15-18 years ☐ 18-21 years ☐ 21 years or more

c What duration measure was used to calculate line 19(b)?

☐ Effective duration ☐ Macaulay duration ☐ Modified duration ☐ Other (specify): _____

- 20 PBGC missed contribution reporting requirements.** If this is a multiemployer plan or a single-employer plan that is not covered by PBGC, skip line 20.

a Is the amount of unpaid minimum required contributions for all years from Schedule SB (Form 5500) line 40 greater than zero? ☐ Yes ☐ No

b If line 20a is "Yes," has PBGC been notified as required by ERISA sections 4043(c)(5) and/or 303(k)(4)? Check the applicable box:

☐ Yes.

☐ No. Reporting was waived under 29 CFR 4043.25(c)(2) because contributions equal to or exceeding the unpaid minimum required contribution were made by the 30th day after the due date.

☐ No. The 30-day period referenced in 29 CFR 4043.25(c)(2) has not yet ended, and the sponsor intends to make a contribution equal to or exceeding the unpaid minimum required contribution by the 30th day after the due date.

☐ No. Other. Provide explanation _____

ADVANCED IMPACT TECHNOLOGIES GROUP 401K PLAN

FINANCIAL STATEMENTS

for the years ended December 31, 2021 and 2020

ADVANCED IMPACT TECHNOLOGIES GROUP 401K PLAN

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Schedules required under the Employee Retirement Income Security Act of 1974, other than the schedule listed above, are omitted because of the absence of conditions under which the schedules are required.



INDEPENDENT AUDITORS' REPORT

To the Plan Administrator of the
Advanced Impact Technologies Group 401k Plan

Scope and Nature of the ERISA Section 103(a)(3)(C) Audit for the 2021 Financial Statements

We have performed an audit of the accompanying financial statements of Advanced Impact Technologies Group 401k Plan (the "Plan"), an employee benefit plan subject to the Employee Retirement Income Security Act of 1974 (ERISA), as permitted by ERISA Section 103(a)(3)(C) (ERISA Section 103(a)(3)(C) audit). The financial statements comprise the statement of net assets available for benefits as of December 31, 2021, and the related statement of changes in net assets available for benefits for the year then ended, and the related notes to the financial statements ("2021 Financial Statements").

Management, having determined it is permissible in the circumstances, has elected to have the audit of the Plan's financial statements performed in accordance with ERISA Section 103(a)(3)(C) pursuant to 29 CFR 2520.103-8 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA. As permitted by ERISA Section 103(a)(3)(C), our audit need not extend to any statements or information related to assets held for investment of the Plan (investment information) by a bank or similar institution or insurance carrier that is regulated, supervised, and subject to periodic examination by a state or federal agency, provided that the statements or information regarding assets so held are prepared and certified to by the bank or similar institution or insurance carrier in accordance with 29 CFR 2520.103-5 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA (qualified institution).

Management has obtained a certification from a qualified institution as of and for the year ended December 31, 2021, stating that the certified investment information, as described in Note 3 to the financial statements, is complete and accurate.

Opinion on the 2021 Financial Statements

In our opinion, based on our audit and on the procedures performed as described in the Auditor's Responsibilities for the Audit of the Financial Statements section—

- the amounts and disclosures in the accompanying financial statements, other than those agreed to or derived from the certified investment information, are presented fairly, in all material respects, in accordance with accounting principles generally accepted in the United States of America.
- the information in the accompanying financial statements related to assets held by and certified to by a qualified institution agrees to, or is derived from, in all material respects, the information prepared and certified by an institution that management determined meets the requirements of ERISA Section 103(a)(3)(C).

Basis for Opinion on the 2021 Financial Statements

We conducted our audit in accordance with auditing standards generally accepted in the United States of America (GAAS). Our responsibilities under those standards are further described in the Auditor's Responsibilities for the Audit of the 2021 Financial Statements section of our report. We are required to be independent of the Plan and to meet our other ethical responsibilities in accordance with the relevant ethical requirements relating to our audit. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our ERISA Section 103(a)(3)(C) audit opinion.

Responsibilities of Management for the 2021 Financial Statements

Management is responsible for the preparation and fair presentation of these financial statements in accordance with accounting principles generally accepted in the United States of America, and for the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error. Management's election of the ERISA Section 103(a)(3)(C) audit does not affect management's responsibility for the financial statements.

In preparing the financial statements, management is required to evaluate whether there are conditions or events, considered in the aggregate, that raise substantial doubt about the Plan's ability to continue as a going concern for one year after the date the financial statements are available to be issued.

Management is also responsible for maintaining a current Plan instrument, including all Plan amendments; administering the Plan; and determining that the Plan's transactions that are presented and disclosed in the financial statements are in conformity with the Plan's provisions, including maintaining sufficient records with respect to each of the participants, to determine the benefits due or which may become due to such participants.

Auditor's Responsibilities for the Audit of the 2021 Financial Statements

Except as described in the Scope and Nature of the ERISA Section 103(a)(3)(C) Audit for the 2021 Financial Statements section of our report, our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with GAAS will always detect a material misstatement when it exists. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Misstatements are considered material if there is a substantial likelihood that, individually or in the aggregate, they would influence the judgment made by a reasonable user based on the financial statements.

In performing an audit in accordance with GAAS, we:

- Exercise professional judgment and maintain professional skepticism throughout the audit.
- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Plan's internal control. Accordingly, no such opinion is expressed.
- Evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluate the overall presentation of the financial statements.
- Conclude whether, in our judgment, there are conditions or events, considered in the aggregate, that raise substantial doubt about the Plan's ability to continue as a going concern for a reasonable period of time.

Our audit did not extend to the certified investment information, except for obtaining and reading the certification, comparing the certified investment information with the related information presented and disclosed in the financial statements, and reading the disclosures relating to the certified investment information to assess whether they are in accordance with the presentation and disclosure requirements of accounting principles generally accepted in the United States of America.

Accordingly, the objective of an ERISA Section 103(a)(3)(C) audit is not to express an opinion about whether the financial statements as a whole are presented fairly, in all material respects, in accordance with accounting principles generally accepted in the United States of America.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit, significant audit findings, and certain internal control-related matters that we identified during the audit.

Other Matter – 2021 Supplemental Schedule Required by ERISA

The supplemental schedule of Schedule H, line 4i-Schedule of Assets (Held At End of Year) is presented for purposes of additional analysis and is not a required part of the financial statements but is supplementary information required by the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA. Such information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the financial statements.

The information included in the supplemental schedule, other than that agreed to or derived from the certified investment information, has been subjected to auditing procedures applied in the audit of the financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the financial statements or to the financial statements themselves, and other additional procedures in accordance with GAAS. For information included in the supplemental schedules that agreed to or is derived from the certified investment information, we compared such information to the related certified investment information.

In forming our opinion on the supplemental schedule, we evaluated whether the supplemental schedule, other than the information agreed to or derived from the certified investment information, including their form and content, is presented in conformity with the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA.

In our opinion—

- the form and content of the supplemental schedule, other than the information in the supplemental schedule that agreed to or is derived from the certified investment information, is presented, in all material respects, in conformity with the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA.
- the information in the supplemental schedule related to assets held by and certified to by a qualified institution agrees to or is derived from, in all material respects, the information prepared and certified by an institution that management determined meets the requirements of ERISA Section 103(a)(3)(C).

Other Matter – Report on the 2020 Financial Statements

We were engaged to audit the 2020 financial statements of Advanced Impact Technologies Group 401k Plan, which comprise the statements of net assets available for benefits as of December 31, 2020, and the related statements of changes in net assets available for benefits for the year December 31, 2020, and the related notes to the 2020 financial statements.

As permitted by 29 CFR 2520.103-8 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974, the Plan administrator instructed us not to perform, and we did not perform, any auditing procedures with respect to the information certified by Massachusetts Mutual Life Insurance Company, qualified institution, except for comparing such information with the related information included in the 2020 financial statements.

Our audit report dated October 15, 2021, indicated that because of the significance of the information that we did not audit, we were not able to obtain sufficient appropriate audit evidence to provide a basis for an audit opinion and accordingly, we did not express an opinion on the 2020 Financial Statements.


Springfield, Massachusetts
October 14, 2022

ADVANCED IMPACT TECHNOLOGIES GROUP 401K PLAN
STATEMENTS OF NET ASSETS AVAILABLE FOR BENEFITS

December 31, 2021 and 2020

	<u>2021</u>	<u>2020</u>
ASSETS		
Investments, at fair value.....	\$ 5,383,187	\$ 4,420,855
Investments, at contract value.....	<u>754,196</u>	<u>722,264</u>
	6,137,383	5,143,119
 Receivables:		
Employer contribution receivable.....	23,102	14,587
Participant contribution receivable.....	6,261	8,444
Notes receivable from participants.....	<u>179,392</u>	<u>184,712</u>
Total receivables.....	<u>208,755</u>	<u>207,743</u>
 Total assets.....	<u>6,346,138</u>	<u>5,350,862</u>
 Net assets available for benefits.....	<u><u>\$ 6,346,138</u></u>	<u><u>\$ 5,350,862</u></u>

See accompanying notes to financial statements.

ADVANCED IMPACT TECHNOLOGIES GROUP 401K PLAN

STATEMENT OF CHANGES IN NET ASSETS AVAILABLE FOR BENEFITS

for the years ended December 31, 2021 and 2020

	<u>2021</u>	<u>2020</u>
ADDITIONS		
Investment income:		
Net appreciation in fair value of investments.....	\$ 686,794	\$ 543,551
Interest and dividends.....	<u>8,297</u>	<u>8,582</u>
Total investment income.....	695,091	552,133
Interest income on notes receivable from participants.....	9,846	9,731
Contributions:		
Employer.....	807,988	735,451
Participant.....	<u>262,538</u>	<u>259,681</u>
	<u>1,070,526</u>	<u>995,132</u>
Other Income.....	57	549
Total additions.....	<u>1,775,520</u>	<u>1,557,545</u>
DEDUCTIONS		
Benefits paid to participants	757,871	540,278
Administrative expenses.....	<u>22,373</u>	<u>22,178</u>
Total deductions.....	<u>780,244</u>	<u>562,456</u>
Net increase.....	995,276	995,089
Net assets available for benefits, beginning of year.....	<u>5,350,862</u>	<u>4,355,773</u>
Net assets available for benefits, end of year.....	<u>\$ 6,346,138</u>	<u>\$ 5,350,862</u>

See accompanying notes to financial statements

ADVANCED IMPACT TECHNOLOGIES GROUP 401K PLAN

NOTES TO FINANCIAL STATEMENTS

1. Description of the Plan

The following description of the Advanced Impact Technologies Group (“Plan Sponsor”) 401k Plan provides only general information. Participants should refer to the Plan document for a more complete description of the Plan’s provisions. In the event that there is a conflict between information provided in this document and the benefit plan documents, the terms of the Plan document will prevail.

General Information

The Company established the Plan to provide employees with a systematic means of saving and investing for the future. The Plan is a defined contribution plan covering all employees of the Company, excluding union and other employees under an acquisition, merger, or change in employer or related group, who have completed one year of service (1,000 hours) and have attained the age of 21. The Plan is subject to the provisions of the Employee Retirement Income Security Act of 1974 (“ERISA”). The Board of Directors is responsible for oversight of the Plan and determines the appropriateness of the Plan’s investment offerings and monitors investment performance.

The Plan Sponsor is a member of a controlled group. Hereinafter, the Plan Sponsor and all controlled group members who adopted the Plan are referred to as “the Company”.

Plan Contributions

Each year, participants contribute up to 85% of compensation (pretax and Roth), as defined by the Plan. Participants who have attained age 50 before the end of the Plan year are eligible to make catch-up contributions. Participants may also contribute amounts representing distributions from other qualified benefit plans (rollover). Participants direct the investment of their contributions into various investment options offered by the Plan.

The Company will make a safe harbor matching contribution up to 4% of compensation. The Company may also make a discretionary profit sharing contribution to eligible employees who are also employed on the last day of the Plan year. The profit sharing contribution shall be determined, if any, by action of the Board of Directors. The Company did not make a profit sharing contribution for the years ended December 31, 2021 and 2020.

In addition, the Company may make qualified non-elective and/or prevailing wage contributions to meet the Company’s requirements under the prevailing wage statute for participants receiving a prevailing wage. The prevailing wage contributions will offset any other profit sharing or qualified non-elective contribution allocations that would otherwise be made to a participant. The prevailing wage contributions for the year ended December 31, 2021 was \$665,117 (2020 - \$582,531). No additional qualified non-elective contributions were made for the years ended December 31, 2021 and 2020.

ADVANCED IMPACT TECHNOLOGIES GROUP 401K PLAN

NOTES TO FINANCIAL STATEMENTS, Continued

Participant Accounts

Each participant's account is credited with the participant's contributions and the Company's safe harbor matching contributions, as well as allocations of the Company's profit sharing contributions and Plan earnings. Participant accounts are charged with an allocation of administrative expenses that are paid by the Plan. Allocations are based on participant earnings, account balances, or specific participant transactions, as defined. The benefit to which a participant is entitled is the benefit that can be provided from the participant's vested account.

Vesting

Participants are 100% vested in their own contributions as well as in the safe harbor matching and prevailing wage contributions made by the Company. Profit sharing contributions are vested over the following time period:

<u>Years of Service</u>	<u>Vesting Percentage</u>
Less than 2	0%
2	20%
3	40%
4	60%
5	80%
6	100%

Participants also become 100% vested in all Company's contributions when the participant dies or becomes totally and permanently disabled.

Notes Receivable from Participants

Participants may borrow from their fund accounts a minimum of \$1,000 up to a maximum equal to the lesser of \$50,000 or 50% of their vested account balance. The loans are secured by the balance in the participant's account. Loan terms range from 1-5 years or will extend to 15 years for the purchase of a primary residence. The loans bear interest at a commercially reasonable rate of interest. Principal and interest is paid ratably through monthly payroll deductions.

Payment of Benefits

Upon termination of service, death, disability, or retirement, a participant or beneficiary may elect to receive either a lump sum equal to the value of the participant's vested interest in their account or by other methods permitted in accordance to the provisions of the Plan. There are also provisions for hardship, in-service, military and rollover distributions.

ADVANCED IMPACT TECHNOLOGIES GROUP 401K PLAN

NOTES TO FINANCIAL STATEMENTS, Continued

Forfeited Accounts

Forfeited accounts can be used to reduce employer contributions, pay Plan administrative expenses, restore forfeitures, or reallocate to Plan participants.

2. Summary of Significant Accounting Policies

Basis of Accounting

The financial statements of the Plan are prepared on the accrual basis of accounting.

Investment contracts held by a defined contribution plan are required to be reported at fair value, except for fully benefit-responsive investment contracts, which are reported at contract value. Contract value is the relevant measure attribute for the portion of the net assets available for benefits of a defined contribution plan attributable to fully benefit-responsive investment contracts because contract value is the amount participants normally would receive if they were to initiate permitted transactions under the terms of the Plan.

Use of Estimates

The preparation of financial statements in accordance with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and changes therein, and disclosure of contingent assets and liabilities. Actual results could differ from those estimates.

Investment Valuation and Income Recognition

Investments are reported at fair value (except for fully benefit-responsive investment contracts, which are reported at contract value). Fair value is the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. The Plan's Board of Director's determines the Plan's valuation policies utilizing information provided by the investment advisor, trustee, and third-party administrator. See note 4 for discussion of fair value measurements.

Purchases and sales of securities are recorded on a trade-date basis. Interest income is recorded on the accrual basis. Dividends are recorded on the ex-dividend date. Net appreciation includes the Plan's gains and losses on investments bought and sold as well as held during the year.

Benefit Payments

Benefits are recorded when paid.

ADVANCED IMPACT TECHNOLOGIES GROUP 401K PLAN

NOTES TO FINANCIAL STATEMENTS, Continued

Notes Receivable from Participants

Notes receivable from participants are measured at their unpaid principal balance plus any accrued but unpaid interest. Interest income is recorded on the accrual basis. Related fees are recorded as administrative expenses and are expensed when they are incurred. No allowance for credit losses have been recorded as of December 31, 2021 and 2020. Delinquent participant loans are recorded as distributions on the basis of the terms of the Plan agreement.

Expenses

Certain expenses of maintaining the Plan are paid by the Plan, unless otherwise paid by the Company. Expenses that are paid by the Company are excluded from these financial statements. Fees related to the administration of the Plan are charged directly to the participant's account and are included in administrative expenses. Investment related expenses are included in net appreciation of fair value of investments.

Subsequent Events

The Plan has evaluated subsequent events through October 14, 2022, the date the financial statements were available to be issued.

3. Certified Information

Certain information related to investments and notes receivable from participants disclosed in the accompanying financial statements and ERISA-required supplemental schedule, including investments and notes receivable from participants held at December 31, 2021 and 2020, and net appreciation in fair value of investments, interest and dividends, and interest income on notes receivable from participants for the year ended December 31, 2021, was obtained by management and agreed to or derived from information certified as complete and accurate by Empower, the recordkeeper of the Plan on behalf of Advanced Impact Technologies Group, the Plan Sponsor and Jeffrey E. Besse, the trustee of the Plan.

The Plan's independent accountants did not perform auditing procedures with respect to this information, except for comparing such information to the related information included in the accompanying financial statements and supplemental schedule.

ADVANCED IMPACT TECHNOLOGIES GROUP 401K PLAN

NOTES TO FINANCIAL STATEMENTS, Continued

4. Fair Value Measurements

The framework for measuring fair value provides a fair value hierarchy that prioritizes the inputs to valuation techniques used to measure fair value. The hierarchy gives the highest priority to unadjusted quoted prices in active markets for identical assets or liabilities (level 1 measurements) and the lowest priority to unobservable inputs (level 3 measurements). The three levels of the fair value hierarchy under FASB ASC 820 are described as follows:

Level 1 Inputs to the valuation methodology are unadjusted quoted prices for identical assets or liabilities in active markets that the Plan has the ability to access.

Level 2 Inputs to the valuation methodology include:

- Quoted prices for similar assets or liabilities in active markets;
- Quoted prices for identical or similar assets or liabilities in inactive markets;
- Inputs other than quoted prices that are observable for the asset or liability;
- Inputs that are derived principally from or corroborated by observable market data by correlation or other means.

If the asset or liability has a specified (contractual) term, the level 2 input must be observable for substantially the full term of the asset or liability.

Level 3 Inputs to the valuation methodology are unobservable and significant to the fair value measurement.

The asset or liability's fair value measurement level within the fair value hierarchy is based on the lowest level of any input that is significant to the fair value measurement. Valuation techniques maximize the use of relevant observable inputs and minimize the use of unobservable inputs.

There have been no changes in the methodologies used at December 31, 2021 or 2020. The following are descriptions of the valuation methodologies used for assets measured at fair value.

Separate investment accounts: Valued based on units of the separate accounts at their accumulation unit value (AUV). The AUV is determined daily based on the net asset value (NAV) of shares of the underlying funds, the fund's dividends and the contract's separate account charges. The NAV, as provided by the custodian, is used as a practical expedient to estimate fair value.

Due to the nature of the separate accounts discussed above, there are no unfunded commitments or redemption restrictions. Redemptions can be made daily.

ADVANCED IMPACT TECHNOLOGIES GROUP 401K PLAN

NOTES TO FINANCIAL STATEMENTS, Continued

Fair Value Measurements, Continued

The following tables set forth by level, within the fair value hierarchy, the Plan's assets at fair value as of December 31, 2021 and 2020:

<u>Description</u>	<u>Level 1</u>	<u>Level 2</u>	<u>Level 3</u>	<u>12/31/2021</u>
Investments measured at net asset value (*)				\$ 5,383,187
Investments at fair value				\$ 5,383,187
<u>Description</u>	<u>Level 1</u>	<u>Level 2</u>	<u>Level 3</u>	<u>12/31/2020</u>
Investments measured at net asset value (*)				\$ 4,420,855
Investments at fair value				\$ 4,420,855

(*) In accordance with Subtopic 820-10, certain investments that were measured at net asset value per share (or its equivalent) have not been classified in the fair value hierarchy. The fair value amounts presented in this table are intended to permit reconciliation of the fair value hierarchy to the line items presented in the statement of net assets available for benefits.

5. Group Annuity Contract

The Plan's assets are primarily invested in a group annuity contract with Empower, which provides for separate investment accounts as well as the guaranteed interest account ("GIA"). The GIA is credited with earnings on the underlying investments and charged for participant withdrawals and administrative expenses. The GIA issuer is contractually obligated to repay the principal and a specified interest rate that is guaranteed to the Plan.

This GIA meets the fully benefit-responsive investment contract criteria and therefore is reported at contract value. Contract value is the relevant measurement attribute for fully-benefit responsive investment contracts because this is the amount received by participants if they were to initiate permitted transactions under the terms of the Plan. Contract value, as reported to the Plan by the custodian, represents contributions made under the contract, plus earnings, less participant withdrawals and administrative expenses. Participants may ordinarily direct the withdrawal or transfer of all or a portion of their investment at contract value.

The Plan's ability to receive amounts due is dependent on the issuer's ability to meet its financial obligations. The issuer's ability to meet its contractual obligations may be affected by future economic and regulatory developments.

ADVANCED IMPACT TECHNOLOGIES GROUP 401K PLAN

NOTES TO FINANCIAL STATEMENTS, Continued

Group Annuity Contract, Continued

Certain events limit the ability of the Plan to transact at contract value with the issuer. Such events include 1) amendments to the Plan documents, including complete or partial Plan termination or merger with another Plan, 2) changes to the Plan's prohibition on competing investment options or deletion of equity wash provisions, 3) bankruptcy of the Plan sponsor or other Plan sponsor events for example, divestitures or spin-offs of a subsidiary that cause a significant withdrawal from the Plan, 4) the failure of the trust to qualify for exemption from federal income taxes or any required prohibited transaction exemption under ERISA, or 5) premature termination of the contract. No events are probable of occurring that might limit the ability of the Plan to transact at contract value with the contract issuers and that also would limit the ability of the plan to transact at contract value with the participants.

In addition, certain events allow the issuer to terminate the contract with the Plan and settle at an amount different from contract value. Such events include 1) an uncured violation of the Plan's investment guidelines, 2) a breach of material obligation under the contract, 3) a material misrepresentation, or 4) a material amendment to the agreement without the consent of the issuer.

6. Related Party/Party-in-Interest Transactions

Empower, recordkeeper, has title to the assets of the Plan and performs daily valuation and recordkeeping services, therefore, these transactions qualify as party-in-interest transactions.

Jeffrey Besse, Plan trustee, acts as the investment manager for each of the investment options offered by the Plan.

Certain employees and officers of the Company, most of whom are also participants in the Plan, perform administrative services to the Plan at no cost to the Plan. Certain Plan expenses may be covered by the Plan, as stated in the Plan document.

The Company is the Plan Sponsor and the Plan Sponsor may pay certain administrative expenses. Therefore, these transactions qualify as party-in-interest transactions.

Strategic Pension Services, third-party administrator (TPA), performs recordkeeping and administrative services to the Plan. As a TPA, these transactions qualify as party-in-interest transactions.

All of these party-in-interest transactions are exempt from the prohibited transaction rules of ERISA.

ADVANCED IMPACT TECHNOLOGIES GROUP 401K PLAN

NOTES TO FINANCIAL STATEMENTS, Continued

7. Plan Termination

Although it has not expressed any intent to do so, the Company has the right under the Plan to discontinue its contributions at any time and to amend, modify, or terminate the Plan subject to the provisions of ERISA. In the event of Plan termination, participants would become 100 percent vested in their employer contributions.

8. Tax Status

The Company had adopted a prototype plan document and is relying on the prototype sponsor's opinion letter from the Internal Revenue Service (IRS) dated March 31, 2014. The letter states that the prototype and related trust are designed in accordance with applicable sections of the Internal Revenue Code (IRC). Although the prototype plan has been amended since receiving the opinion letter, the prototype sponsor and the Plan Administrator believe that the Plan is designed and is currently being operated in compliance with the applicable requirements of the IRC and has no income subject to unrelated business income tax. Therefore, no provision for income taxes has been included in the Plan's financial statements.

Accounting principles generally accepted in the United States of America require Plan management to evaluate tax positions taken by the Plan and recognize a tax liability (or asset) if the Plan has taken an uncertain position that more likely than not would not be sustained upon examination by the IRS. The Plan Administrator has analyzed the tax positions taken by the Plan, and has concluded that as of December 31, 2021 there are no uncertain positions taken or expect to be taken that would require recognition of a liability (or asset) or disclosure in the financial statements. The Plan is subject to routine audits by taxing jurisdictions; however, there are currently no audits for any tax periods in progress.

9. Risks and Uncertainties

The Plan invests in various investment securities. Investment securities are exposed to various risks, such as interest rate, market, and credit risks. Due to the level of risk associated with certain investment securities, it is at least reasonably possible that changes in the values of investment securities will occur in the near term and that such changes could materially affect participants' account balances and the amounts reported in the statement of net assets available for benefits.

ADVANCED IMPACT TECHNOLOGIES GROUP 401K PLAN

Schedule H, line 4i – SCHEDULE OF ASSETS (HELD AT END OF YEAR) as of December 31, 2021

EIN – 81-3652561
PN: 001

		(c) <i>Description of Investment including Maturity Date, Rate of Interest, Collateral, Par or Maturity Value</i>	(d) <i>Cost</i>	(e) <i>Current Value</i>
(a)	(b) <i>Identity of Issue, Borrower, Lessor or Similar Party</i>			
		Guaranteed Investment Contract		
*	MassMutual	Guaranteed Interest Account	**	\$ 754,196
		Separate Investment Accounts		
*	MassMutual	MM Premier U.S. Government Money Market Fund - R5 (SIA - YG)	**	11
*	MassMutual	Oppenheimer Real Estate Fund - Y (SIA - CB)	**	59,859
*	MassMutual	Russell 2000 Small Cap Index Fund - Adm (SIA - CBP)	**	82,883
*	MassMutual	S&P Mid Cap Index Fund - Adm (SIA - CBW)	**	87,109
*	MassMutual	MSCI EAFE International Index Fund - Adm (SIA - CCC)	**	130,967
*	MassMutual	Select T. Rowe Price Ret 2060 Fund - M4 (SIA - CRK)	**	13,405
*	MassMutual	Select T. Rowe Price Ret 2025 Fund - M4 (SIA - EO)	**	272,333
*	MassMutual	Select T. Rowe Price Ret 2035 Fund - M4 (SIA - FO)	**	123,069
*	MassMutual	Select T. Rowe Price Ret 2045 Fund - M4 (SIA - GO)	**	853,208
*	MassMutual	Select T. Rowe Price Ret 2055 Fund - M4 (SIA - HO)	**	444,930
*	MassMutual	Income Fund - Adm (SIA - JDV)	**	159,957
*	MassMutual	Premier High Yield Fund - Adm (SIA - JH)	**	232,541
*	MassMutual	Premier Disciplined Growth Fund - Adm (SIA - JU)	**	153,153
*	MassMutual	Select T. Rowe Price Ret 2020 Fund - M4 (SIA - LT)	**	164,148
*	MassMutual	Ceredex Mid-Cap Value Equity Fund - I (SIA - M8)	**	187,681
*	MassMutual	Select T. Rowe Price Ret 2050 Fund - M4 (SIA - OT)	**	61,668
*	MassMutual	Select T. Rowe Price Ret 2030 Fund - M4 (SIA - PT)	**	221,849
*	MassMutual	Select T. Rowe Price Ret 2040 Fund - M4 (SIA - QT)	**	108,321
*	MassMutual	Loomis Sayles Strategic Income Fund - Y (SIA - SL)	**	271,660
*	MassMutual	Emerging Markets Equity Fund - A (0085) (SIA - UA)	**	53,226
*	MassMutual	Select Small Cap Growth Equity Fund - Svc (SIA - YC)	**	40,282
*	MassMutual	Premier Core Bond Fund - Svc (SIA - YE)	**	463,257
*	MassMutual	Premier U.S. Government Money Market Fund - R5 (SIA - YG)	**	2,381
*	MassMutual	Premier International Equity Fund - Svc (SIA - YI)	**	66,903
*	MassMutual	Select Fundamental Value Fund - Svc (SIA - YK)	**	230,516
*	MassMutual	Select Mid Cap Growth Fund - Svc (SIA - YT)	**	48,150
*	MassMutual	Select Equity Opportunities Fund - Svc (SIA - YV)	**	133,641
*	MassMutual	S&P 500 Index Fund - Adm (SIA - YX)	**	659,361
*	MassMutual	Select Small Company Value Fund - SVC (SIA - YY)	**	56,718
				<u>5,383,187</u>
		Total investments		6,137,383
*	Participant Loans	Loans (interest ranging from 5.25% - 7.50%)	-0-	179,392
				<u>\$ 6,316,775</u>

* - Related party/party in interest

** - All account balances are participant directed, cost not included

-0- - Cost not included

Form 5500 Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Annual Return/Report of Employee Benefit Plan This form is required to be filed for employee benefit plans under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and sections 6057(b) and 6058(a) of the Internal Revenue Code (the Code). Complete all entries in accordance with the instructions to the Form 5500.	OMB Nos. 1210-0110 1210-0089 2021 This Form is Open to Public Inspection
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Part I	Annual Report Identification Information
For calendar plan year 2021 or fiscal plan year beginning <u>01/01/2021</u> and ending <u>12/31/2021</u>	

- A** This return/report is for:
- ☐ a multiemployer plan ☐ a multiple-employer plan (Filers checking this box must attach a list of participating employer information in accordance with the form instructions.)
- ☒ a single-employer plan ☐ a DFE (specify) _____
- B** This return/report is:
- ☐ the first return/report ☐ the final return/report
- ☐ an amended return/report ☐ a short plan year return/report (less than 12 months)
- C** If the plan is a collectively-bargained plan, check here. ☐
- D** Check box if filing under: ☒ Form 5558 ☐ automatic extension ☐ the DFVC program
- ☐ special extension (enter description) _____
- E** If this is a retroactively adopted plan permitted by SECURE Act section 201, check here. ☐

Part II Basic Plan Information —enter all requested information	
1a Name of plan Advanced Impact Technologies Group 401(k) Plan	1b Three-digit plan number (PN) <u>001</u>
2a Plan sponsor's name (employer, if for a single-employer plan) Mailing address (include room, apt., suite no. and street, or P.O. Box) City or town, state or province, country, and ZIP or foreign postal code (if foreign, see instructions) ADVANCED IMPACT TECHNOLOGIES GROUP 14 FEDERICO DRIVE PITTSFIELD MA 01201	1c Effective date of plan 05/01/2007 2b Employer Identification Number (EIN) 81-3652561 2c Plan Sponsor's telephone number 413-637-5001 2d Business code (see instructions) 327210

Caution: A penalty for the late or incomplete filing of this return/report will be assessed unless reasonable cause is established.

Under penalties of perjury and other penalties set forth in the instructions, I declare that I have examined this return/report, including accompanying schedules, statements and attachments, as well as the electronic version of this return/report, and to the best of my knowledge and belief, it is true, correct, and complete.

SIGN HERE	 Signature of plan administrator	<u>12/14/22</u> Date	JEFFREY BESSE Enter name of individual signing as plan administrator
SIGN HERE	 Signature of employer/plan sponsor	<u>10/14/22</u> Date	JEFFREY BESSE Enter name of individual signing as employer or plan sponsor
SIGN HERE	_____ Signature of DFE	_____ Date	_____ Enter name of individual signing as DFE

For Paperwork Reduction Act Notice, see the Instructions for Form 5500.

Form 5500 (2021)
v. 201209

3a Plan administrator's name and address ☐ Same as Plan Sponsor ADVANCED IMPACT TECHNOLOGIES GROUP 14 FEDERICO DRIVE PITTSFIELD MA 01201	3b Administrator's EIN 81-3652561 3c Administrator's telephone number 413-637-5001
4 If the name and/or EIN of the plan sponsor or the plan name has changed since the last return/report filed for this plan, enter the plan sponsor's name, EIN, the plan name and the plan number from the last return/report: a Sponsor's name c Plan Name	4b EIN 4d PN
5 Total number of participants at the beginning of the plan year	5 160
6 Number of participants as of the end of the plan year unless otherwise stated (welfare plans complete only lines 6a(1), 6a(2), 6b, 6c, and 6d).	
a(1) Total number of active participants at the beginning of the plan year.....	6a(1) 122
a(2) Total number of active participants at the end of the plan year	6a(2) 108
b Retired or separated participants receiving benefits.....	6b 0
c Other retired or separated participants entitled to future benefits	6c 39
d Subtotal. Add lines 6a(2), 6b, and 6c.....	6d 147
e Deceased participants whose beneficiaries are receiving or are entitled to receive benefits.	6e 0
f Total. Add lines 6d and 6e.....	6f 147
g Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item)	6g 113
h Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested	6h 0
7 Enter the total number of employers obligated to contribute to the plan (only multiemployer plans complete this item)	7
8a If the plan provides pension benefits, enter the applicable pension feature codes from the List of Plan Characteristics Codes in the instructions: 2E 2F 2G 2J 2K 2T 3D 3H b If the plan provides welfare benefits, enter the applicable welfare feature codes from the List of Plan Characteristics Codes in the instructions:	
9a Plan funding arrangement (check all that apply) (1) ☒ Insurance (2) ☐ Code section 412(e)(3) insurance contracts (3) ☒ Trust (4) ☐ General assets of the sponsor	9b Plan benefit arrangement (check all that apply) (1) ☒ Insurance (2) ☐ Code section 412(e)(3) insurance contracts (3) ☒ Trust (4) ☐ General assets of the sponsor
10 Check all applicable boxes in 10a and 10b to indicate which schedules are attached, and, where indicated, enter the number attached. (See instructions)	
a Pension Schedules (1) ☒ R (Retirement Plan Information) (2) ☐ MB (Multiemployer Defined Benefit Plan and Certain Money Purchase Plan Actuarial Information) - signed by the plan actuary (3) ☐ SB (Single-Employer Defined Benefit Plan Actuarial Information) - signed by the plan actuary	b General Schedules (1) ☒ H (Financial Information) (2) ☐ I (Financial Information - Small Plan) (3) ☒ <u>1</u> A (Insurance Information) (4) ☒ C (Service Provider Information) (5) ☒ D (DFE/Participating Plan Information) (6) ☐ G (Financial Transaction Schedules)

Part III Form M-1 Compliance Information (to be completed by welfare benefit plans)

11a If the plan provides welfare benefits, was the plan subject to the Form M-1 filing requirements during the plan year? (See instructions and 29 CFR 2520.101-2.) ☐ Yes ☐ No

If "Yes" is checked, complete lines 11b and 11c.

11b Is the plan currently in compliance with the Form M-1 filing requirements? (See instructions and 29 CFR 2520.101-2.) ☐ Yes ☐ No

11c Enter the Receipt Confirmation Code for the 2021 Form M-1 annual report. If the plan was not required to file the 2021 Form M-1 annual report, enter the Receipt Confirmation Code for the most recent Form M-1 that was required to be filed under the Form M-1 filing requirements. (Failure to enter a valid Receipt Confirmation Code will subject the Form 5500 filing to rejection as incomplete.)

Receipt Confirmation Code _____

Form 5500 Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Annual Return/Report of Employee Benefit Plan This form is required to be filed for employee benefit plans under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and sections 6057(b) and 6058(a) of the Internal Revenue Code (the Code). ▶ Complete all entries in accordance with the instructions to the Form 5500.	OMB Nos. 1210-0110 1210-0089 2021 This Form is Open to Public Inspection
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Part I	Annual Report Identification Information
For calendar plan year 2021 or fiscal plan year beginning 01/01/2021 and ending 12/31/2021	

- A** This return/report is for: ☐ a multiemployer plan ☐ a multiple-employer plan (Filers checking this box must attach a list of participating employer information in accordance with the form instructions.)
- ☒ a single-employer plan ☐ a DFE (specify) _____
- B** This return/report is: ☐ the first return/report ☐ the final return/report
- ☒ an amended return/report ☐ a short plan year return/report (less than 12 months)
- C** If the plan is a collectively-bargained plan, check here. ☐
- D** Check box if filing under: ☒ Form 5558 ☐ automatic extension ☐ the DFVC program
- ☐ special extension (enter description) _____
- E** If this is a retroactively adopted plan permitted by SECURE Act section 201, check here. ☐

Part II	Basic Plan Information —enter all requested information							
1a Name of plan	Advanced Impact Technologies Group 401(k) Plan	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:80%;">1b Three-digit plan number (PN) ▶</td> <td style="width:20%;">001</td> </tr> <tr> <td colspan="2">1c Effective date of plan 05/01/2007</td> </tr> </table>	1b Three-digit plan number (PN) ▶	001	1c Effective date of plan 05/01/2007			
1b Three-digit plan number (PN) ▶	001							
1c Effective date of plan 05/01/2007								
2a Plan sponsor's name (employer, if for a single-employer plan)	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:80%;">2b Employer Identification Number (EIN)</td> <td style="width:20%;">81-3652561</td> </tr> <tr> <td colspan="2">2c Plan Sponsor's telephone number 413-637-5001</td> </tr> <tr> <td colspan="2">2d Business code (see instructions) 327210</td> </tr> </table>		2b Employer Identification Number (EIN)	81-3652561	2c Plan Sponsor's telephone number 413-637-5001		2d Business code (see instructions) 327210	
2b Employer Identification Number (EIN)	81-3652561							
2c Plan Sponsor's telephone number 413-637-5001								
2d Business code (see instructions) 327210								
Mailing address (include room, apt., suite no. and street, or P.O. Box)	ADVANCED IMPACT TECHNOLOGIES GROUP							
City or town, state or province, country, and ZIP or foreign postal code (if foreign, see instructions)	14 FEDERICO DRIVE							
	PITTSFIELD MA 01201							

Caution: A penalty for the late or incomplete filing of this return/report will be assessed unless reasonable cause is established.

Under penalties of perjury and other penalties set forth in the instructions, I declare that I have examined this return/report, including accompanying schedules, statements and attachments, as well as the electronic version of this return/report, and to the best of my knowledge and belief, it is true, correct, and complete.

SIGN HERE		8/17/23	JEFFREY BESSE
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
SIGN HERE		8/17/23	JEFFREY BESSE
	Signature of employer/plan sponsor	Date	Enter name of individual signing as employer or plan sponsor
SIGN HERE			
	Signature of DFE	Date	Enter name of individual signing as DFE

For Paperwork Reduction Act Notice, see the Instructions for Form 5500.

Form 5500 (2021)
v. 201209

3a Plan administrator's name and address ☐ Same as Plan Sponsor ADVANCED IMPACT TECHNOLOGIES GROUP 14 FEDERICO DRIVE PITTSFIELD MA 01201	3b Administrator's EIN 81-3652561 3c Administrator's telephone number 413-637-5001
4 If the name and/or EIN of the plan sponsor or the plan name has changed since the last return/report filed for this plan, enter the plan sponsor's name, EIN, the plan name and the plan number from the last return/report: a Sponsor's name c Plan Name	4b EIN 4d PN
5 Total number of participants at the beginning of the plan year	5 160
6 Number of participants as of the end of the plan year unless otherwise stated (welfare plans complete only lines 6a(1) , 6a(2) , 6b , 6c , and 6d). a(1) Total number of active participants at the beginning of the plan year..... a(2) Total number of active participants at the end of the plan year b Retired or separated participants receiving benefits..... c Other retired or separated participants entitled to future benefits d Subtotal. Add lines 6a(2) , 6b , and 6c e Deceased participants whose beneficiaries are receiving or are entitled to receive benefits. f Total. Add lines 6d and 6e g Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item) h Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested	6a(1) 122 6a(2) 108 6b 0 6c 39 6d 147 6e 0 6f 147 6g 113 6h 0
7 Enter the total number of employers obligated to contribute to the plan (only multiemployer plans complete this item).....	7
8a If the plan provides pension benefits, enter the applicable pension feature codes from the List of Plan Characteristics Codes in the instructions: 2E 2F 2G 2J 2K 2T 3D 3H b If the plan provides welfare benefits, enter the applicable welfare feature codes from the List of Plan Characteristics Codes in the instructions:	
9a Plan funding arrangement (check all that apply) (1) ☒ Insurance (2) ☐ Code section 412(e)(3) insurance contracts (3) ☒ Trust (4) ☐ General assets of the sponsor	9b Plan benefit arrangement (check all that apply) (1) ☒ Insurance (2) ☐ Code section 412(e)(3) insurance contracts (3) ☒ Trust (4) ☐ General assets of the sponsor
10 Check all applicable boxes in 10a and 10b to indicate which schedules are attached, and, where indicated, enter the number attached. (See instructions)	
a Pension Schedules (1) ☒ R (Retirement Plan Information) (2) ☐ MB (Multiemployer Defined Benefit Plan and Certain Money Purchase Plan Actuarial Information) - signed by the plan actuary (3) ☐ SB (Single-Employer Defined Benefit Plan Actuarial Information) - signed by the plan actuary	b General Schedules (1) ☒ H (Financial Information) (2) ☐ I (Financial Information – Small Plan) (3) ☒ <u>1</u> A (Insurance Information) (4) ☒ C (Service Provider Information) (5) ☒ D (DFE/Participating Plan Information) (6) ☐ G (Financial Transaction Schedules)

Part III Form M-1 Compliance Information (to be completed by welfare benefit plans)

11a If the plan provides welfare benefits, was the plan subject to the Form M-1 filing requirements during the plan year? (See instructions and 29 CFR 2520.101-2.) ☐ Yes ☐ No

If "Yes" is checked, complete lines 11b and 11c.

11b Is the plan currently in compliance with the Form M-1 filing requirements? (See instructions and 29 CFR 2520.101-2.) ☐ Yes ☐ No

11c Enter the Receipt Confirmation Code for the 2021 Form M-1 annual report. If the plan was not required to file the 2021 Form M-1 annual report, enter the Receipt Confirmation Code for the most recent Form M-1 that was required to be filed under the Form M-1 filing requirements. (Failure to enter a valid Receipt Confirmation Code will subject the Form 5500 filing to rejection as incomplete.)

Receipt Confirmation Code _____

SCHEDULE A (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Insurance Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA). ► File as an attachment to Form 5500. ► Insurance companies are required to provide the information pursuant to ERISA section 103(a)(2).	OMB No. 1210-0110 2021 This Form is Open to Public Inspection
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For calendar plan year 2021 or fiscal plan year beginning 01/01/2021 and ending 12/31/2021		
A Name of plan Advanced Impact Technologies Group 401(k) Plan	B Three-digit plan number (PN) ► 001	
C Plan sponsor's name as shown on line 2a of Form 5500 ADVANCED IMPACT TECHNOLOGIES GROUP	D Employer Identification Number (EIN) 81-3652561	

Part I	Information Concerning Insurance Contract Coverage, Fees, and Commissions	Provide information for each contract on a separate Schedule A. Individual contracts grouped as a unit in Parts II and III can be reported on a single Schedule A.
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1 Coverage Information:

(a) Name of insurance carrier Massachusetts Mutual Life Insurance Company					
(b) EIN	(c) NAIC code	(d) Contract or identification number	(e) Approximate number of persons covered at end of policy or contract year	Policy or contract year	
				(f) From	(g) To
04-1590850	65935	RM 85975-1	113	01/01/2021	12/31/2021

2 Insurance fee and commission information. Enter the total fees and total commissions paid. List in line 3 the agents, brokers, and other persons in descending order of the amount paid.

(a) Total amount of commissions paid	(b) Total amount of fees paid
15,489	0

3 Persons receiving commissions and fees. (Complete as many entries as needed to report all persons).

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid MML Investors Services, Inc. 1295 State Street Springfield MA 01111
--

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	
14,375			4

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

Peter S. Novak 734 Longmeadow Street #312 Longmeadow MA 01106

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	
1,114			3

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

Part II Investment and Annuity Contract Information

Where individual contracts are provided, the entire group of such individual contracts with each carrier may be treated as a unit for purposes of this report.

4 Current value of plan's interest under this contract in the general account at year end	4	
5 Current value of plan's interest under this contract in separate accounts at year end.....	5	5,383,186

6 Contracts With Allocated Funds:**a** State the basis of premium rates ▶

b Premiums paid to carrier	6b	
c Premiums due but unpaid at the end of the year	6c	
d If the carrier, service, or other organization incurred any specific costs in connection with the acquisition or retention of the contract or policy, enter amount. Specify nature of costs ▶	6d	

e Type of contract: (1) ☐ individual policies (2) ☒ group deferred annuity
(3) ☐ other (specify) ▶

f If contract purchased, in whole or in part, to distribute benefits from a terminating plan, check here ▶ ☐**7** Contracts With Unallocated Funds (Do not include portions of these contracts maintained in separate accounts)

a Type of contract: (1) ☐ deposit administration (2) ☐ immediate participation guarantee
(3) ☐ guaranteed investment (4) ☒ other ▶ Group Annuity Contract

b Balance at the end of the previous year	7b	722,264
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c Additions: (1) Contributions deposited during the year	7c(1)	1,064,252	
(2) Dividends and credits.....	7c(2)	0	
(3) Interest credited during the year.....	7c(3)	8,297	
(4) Transferred from separate account.....	7c(4)	0	
(5) Other (specify below).....	7c(5)	165,253	

▶Ln int, Prin, Ln Default & Offset, Trans Assets, Trans Fors

(6)Total additions	7c(6)	1,237,802
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d Total of balance and additions (add lines 7b and 7c(6))	7d	1,960,066
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e Deductions:

(1) Disbursed from fund to pay benefits or purchase annuities during year	7e(1)	31,546	
(2) Administration charge made by carrier.....	7e(2)	2,426	
(3) Transferred to separate account.....	7e(3)	1,156,379	
(4) Other (specify below).....	7e(4)	15,519	

▶Loan Distribution

(5) Total deductions	7e(5)	1,205,870
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f Balance at the end of the current year (subtract line 7e(5) from line 7d).....	7f	754,196
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Part III Welfare Benefit Contract Information

If more than one contract covers the same group of employees of the same employer(s) or members of the same employee organizations(s), the information may be combined for reporting purposes if such contracts are experience-rated as a unit. Where contracts cover individual employees, the entire group of such individual contracts with each carrier may be treated as a unit for purposes of this report.

8 Benefit and contract type (check all applicable boxes)

- a** ☐ Health (other than dental or vision)
 b ☐ Dental
 c ☐ Vision
 d ☐ Life insurance
e ☐ Temporary disability (accident and sickness)
 f ☐ Long-term disability
 g ☐ Supplemental unemployment
 h ☐ Prescription drug
i ☐ Stop loss (large deductible)
 j ☐ HMO contract
 k ☐ PPO contract
 l ☐ Indemnity contract
m ☐ Other (specify) ▶

9 Experience-rated contracts:

a Premiums: (1) Amount received	9a(1)		
(2) Increase (decrease) in amount due but unpaid	9a(2)		
(3) Increase (decrease) in unearned premium reserve	9a(3)		
(4) Earned ((1) + (2) - (3))		9a(4)	0
b Benefit charges (1) Claims paid	9b(1)		
(2) Increase (decrease) in claim reserves	9b(2)		
(3) Incurred claims (add (1) and (2))		9b(3)	0
(4) Claims charged		9b(4)	
c Remainder of premium: (1) Retention charges (on an accrual basis) --			
(A) Commissions	9c(1)(A)		
(B) Administrative service or other fees	9c(1)(B)		
(C) Other specific acquisition costs	9c(1)(C)		
(D) Other expenses	9c(1)(D)		
(E) Taxes	9c(1)(E)		
(F) Charges for risks or other contingencies	9c(1)(F)		
(G) Other retention charges	9c(1)(G)		
(H) Total retention		9c(1)(H)	0
(2) Dividends or retroactive rate refunds. (These amounts were ☐ paid in cash, or ☐ credited.)		9c(2)	
d Status of policyholder reserves at end of year: (1) Amount held to provide benefits after retirement		9d(1)	
(2) Claim reserves		9d(2)	
(3) Other reserves		9d(3)	
e Dividends or retroactive rate refunds due. (Do not include amount entered in line 9c(2).)		9e	

10 Nonexperience-rated contracts:

a Total premiums or subscription charges paid to carrier	10a	
b If the carrier, service, or other organization incurred any specific costs in connection with the acquisition or retention of the contract or policy, other than reported in Part I, line 2 above, report amount. Specify nature of costs.	10b	

Part IV Provision of Information

11 Did the insurance company fail to provide any information necessary to complete Schedule A? ☐ Yes ☒ No

12 If the answer to line 11 is "Yes," specify the information not provided. ▶

SCHEDULE C (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Service Provider Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA). ▶ File as an attachment to Form 5500.	OMB No. 1210-0110
		2021
		This Form is Open to Public Inspection.
For calendar plan year 2021 or fiscal plan year beginning 01/01/2021 and ending 12/31/2021		
A Name of plan Advanced Impact Technologies Group 401(k) Plan	B Three-digit plan number (PN) ▶	001
C Plan sponsor's name as shown on line 2a of Form 5500 ADVANCED IMPACT TECHNOLOGIES GROUP	D Employer Identification Number (EIN) 81-3652561	

Part I	Service Provider Information (see instructions)
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You must complete this Part, in accordance with the instructions, to report the information required for **each person** who received, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of monetary value) in connection with services rendered to the plan or the person's position with the plan during the plan year. If a person received **only** eligible indirect compensation for which the plan received the required disclosures, you are required to answer line 1 but are not required to include that person when completing the remainder of this Part.

1 Information on Persons Receiving Only Eligible Indirect Compensation

- a** Check "Yes" or "No" to indicate whether you are excluding a person from the remainder of this Part because they received only eligible indirect compensation for which the plan received the required disclosures (see instructions for definitions and conditions)..... ☐ Yes ☒ No
- b** If you answered line 1a "Yes," enter the name and EIN or address of each person providing the required disclosures for the service providers who received only eligible indirect compensation. Complete as many entries as needed (see instructions).

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation
(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation
(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation
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(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

Massachusetts Mutual Life Ins Co.
1295 State Street

04-1590850

Springfield

MA

01111-0001

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
52 68 60 72 62 63 64	Contract Administrator	22,373	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☒ No ☐

(a) Enter name and EIN or address (see instructions)

Strategic Pension Services, LLC
376 Albany Shaker Road

14-1836262

Albany

NY

12211

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
13 14	Third Party Administrator	0	Yes ☒ No ☐	Yes ☐ No ☒	6,118	Yes ☐ No ☒

(a) Enter name and EIN or address (see instructions)

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
			Yes ☐ No ☐	Yes ☐ No ☐		Yes ☐ No ☐

2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
			Yes ☐ No ☐	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
			Yes ☐ No ☐	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
			Yes ☐ No ☐	Yes ☐ No ☐		Yes ☐ No ☐

Part I Service Provider Information (continued)

3. If you reported on line 2 receipt of indirect compensation, other than eligible indirect compensation, by a service provider, and the service provider is a fiduciary or provides contract administrator, consulting, custodial, investment advisory, investment management, broker, or recordkeeping services, answer the following questions for (a) each source from whom the service provider received \$1,000 or more in indirect compensation and (b) each source for whom the service provider gave you a formula used to determine the indirect compensation instead of an amount or estimated amount of the indirect compensation. Complete as many entries as needed to report the required information for each source.

(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
Strategic Pension Services, LLC	13 14	6,118
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
Massachusetts Mutual Life Ins co 1295 State Street Springfield MA 01111	Expense reimbursement to third party administrator	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	

Part II Service Providers Who Fail or Refuse to Provide Information

4 Provide, to the extent possible, the following information for each service provider who failed or refused to provide the information necessary to complete this Schedule.

(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide

Part III	Termination Information on Accountants and Enrolled Actuaries (see instructions) (complete as many entries as needed)
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a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

SCHEDULE D (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration	DFE/Participating Plan Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA). ► File as an attachment to Form 5500.	OMB No. 1210-0110 2021 This Form is Open to Public Inspection.
For calendar plan year 2021 or fiscal plan year beginning 01/01/2021 and ending 12/31/2021		
A Name of plan Advanced Impact Technologies Group 401(k) Plan		B Three-digit plan number (PN) ► 001
C Plan or DFE sponsor's name as shown on line 2a of Form 5500 ADVANCED IMPACT TECHNOLOGIES GROUP		D Employer Identification Number (EIN) 81-3652561
Part I Information on interests in MTIAs, CCTs, PSAs, and 103-12 IEs (to be completed by plans and DFEs) (Complete as many entries as needed to report all interests in DFEs)		
a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-CB (REAL ESTATE)		
b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE COMPANY		
c EIN-PN 04-1590850 000	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 59,859
a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-CBP (MM RSL 2000 SMCAP INDEX)		
b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE COMPANY		
c EIN-PN 90-0779283 000	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 82,883
a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-CBW (MM S&P MID CAP INDEX)		
b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE COMPANY		
c EIN-PN 90-0779283 000	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 87,109
a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-CCC (MM MSCI EAFE INTL INDEX)		
b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE COMPANY		
c EIN-PN 90-0779283 000	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 130,967
a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-E0 MM SEL T.ROWEPRICE RET 2025		
b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE COMPANY		
c EIN-PN 90-0342299 000	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 272,333
a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-FO MM SEL T.ROWEPRICE RET 2035)		
b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE COMPANY		
c EIN-PN 90-0342299 000	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 123,069
a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-GO MM SEL T.ROWEPRICE RET 2045)		
b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE COMPANY		
c EIN-PN 90-0342299 000	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 853,208
For Paperwork Reduction Act Notice, see the Instructions for Form 5500.		

a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-HO MM SEL T. ROWE PRICE RET 2055)**b** Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE COMPANY

c EIN-PN 90-0342299 000	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	444,930
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a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-JDV (INCOME)**b** Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE COMPANY

c EIN-PN 90-0779283 000	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	159,957
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a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-JH (PREMIER HIGH YIELD)**b** Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE COMPANY

c EIN-PN 04-1590850 000	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	232,541
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a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-JU (DISCIPLINED GROWTH)**b** Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE COMPANY

c EIN-PN 04-1590850 000	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	153,153
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a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-LT MM SEL T. ROWE PRICE RET 2020**b** Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE COMPANY

c EIN-PN 90-0342299 000	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	164,148
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a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-M8 (CEREDEX MID CP VAL EQ)**b** Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE COMPANY

c EIN-PN 90-0342299 000	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	187,681
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a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-OT MM SEL T. ROWE PRICE RET 2050**b** Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE COMPANY

c EIN-PN 90-0342299 000	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	61,668
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a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-PT MM SEL T. ROWE PRICE RET 2030**b** Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE COMPANY

c EIN-PN 90-0342299 000	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	221,849
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a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-QT MM SEL T. ROWE PRICE RET 2040**b** Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE COMPANY

c EIN-PN 90-0342299 000	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	108,321
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a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-SL (STRATEGIC INCOME)**b** Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE COMPANY

c EIN-PN 90-0342299 000	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	271,660
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a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-UA (EMERGING MARKETS EQUITY)**b** Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE COMPANY

c EIN-PN 90-0342299 000	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	53,226
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a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-YC (Small Cap Growth Equity)**b** Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE COMPANY

c EIN-PN 04-1590850 000	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	40,282
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a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-YE (CORE BOND)**b** Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE COMPANY

c EIN-PN 04-1590850 000	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	463,257
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a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-YG (U.S. GOVT MONEY MRKT)**b** Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE COMPANY

c EIN-PN 04-1590850 000	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	2,392
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a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-YI (INTERNATIONAL EQUITY)**b** Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE COMPANY

c EIN-PN 04-1590850 000	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	66,903
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a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-YK (FUNDAMENTAL VAL)**b** Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE COMPANY

c EIN-PN 04-1590850 000	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	230,516
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a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-YT (MID CAP GROWTH)**b** Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE COMPANY

c EIN-PN 04-1590850 000	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	48,150
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a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-YV (EQUITY OPPORTUNITIES)**b** Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE COMPANY

c EIN-PN 04-1590850 000	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	133,641
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a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-YX (MM S&P 500 INDEX)**b** Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE COMPANY

c EIN-PN 04-1590850 000	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	659,361
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a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-YY (SMALL COMPANY VALUE)**b** Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE COMPANY

c EIN-PN 04-1590850 000	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	56,718
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a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-CRK MM Sel TRowePrice Ret 2060**b** Name of sponsor of entity listed in (a): Massachusetts Mutual Life Insurance Company**c** EIN-PN 90-0779283 000**d** Entity
code P**e** Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)

13,405

a Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):**c** EIN-PN**d** Entity
code**e** Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)**a** Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):**c** EIN-PN**d** Entity
code**e** Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)**a** Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):**c** EIN-PN**d** Entity
code**e** Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)**a** Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):**c** EIN-PN**d** Entity
code**e** Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)**a** Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):**c** EIN-PN**d** Entity
code**e** Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)**a** Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):**c** EIN-PN**d** Entity
code**e** Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)**a** Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):**c** EIN-PN**d** Entity
code**e** Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)**a** Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):**c** EIN-PN**d** Entity
code**e** Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)**a** Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):**c** EIN-PN**d** Entity
code**e** Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)

Part II **Information on Participating Plans (to be completed by DFEs)**

(Complete as many entries as needed to report all participating plans)

a Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
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plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN

SCHEDULE H (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Financial Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA), and section 6058(a) of the Internal Revenue Code (the Code). ► File as an attachment to Form 5500.	OMB No. 1210-0110 2021 This Form is Open to Public Inspection
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For calendar plan year 2021 or fiscal plan year beginning <u>01/01/2021</u> and ending <u>12/31/2021</u>		
A Name of plan Advanced Impact Technologies Group 401(k) Plan	B Three-digit plan number (PN) ►	001
C Plan sponsor's name as shown on line 2a of Form 5500 ADVANCED IMPACT TECHNOLOGIES GROUP	D Employer Identification Number (EIN) 81-3652561	

Part I	Asset and Liability Statement
---------------	--------------------------------------

1 Current value of plan assets and liabilities at the beginning and end of the plan year. Combine the value of plan assets held in more than one trust. Report the value of the plan's interest in a commingled fund containing the assets of more than one plan on a line-by-line basis unless the value is reportable on lines 1c(9) through 1c(14). Do not enter the value of that portion of an insurance contract which guarantees, during this plan year, to pay a specific dollar benefit at a future date. **Round off amounts to the nearest dollar.** MTIAs, CCTs, PSAs, and 103-12 IEs do not complete lines 1b(1), 1b(2), 1c(8), 1g, 1h, and 1i. CCTs, PSAs, and 103-12 IEs also do not complete lines 1d and 1e. See instructions.

Assets		(a) Beginning of Year	(b) End of Year
a Total noninterest-bearing cash.....	1a		
b Receivables (less allowance for doubtful accounts):			
(1) Employer contributions	1b(1)	14,587	23,102
(2) Participant contributions.....	1b(2)	8,444	6,261
(3) Other	1b(3)		
c General investments:			
(1) Interest-bearing cash (include money market accounts & certificates of deposit)	1c(1)		
(2) U.S. Government securities	1c(2)		
(3) Corporate debt instruments (other than employer securities):			
(A) Preferred	1c(3)(A)		
(B) All other	1c(3)(B)		
(4) Corporate stocks (other than employer securities):			
(A) Preferred	1c(4)(A)		
(B) Common	1c(4)(B)		
(5) Partnership/joint venture interests	1c(5)		
(6) Real estate (other than employer real property)	1c(6)		
(7) Loans (other than to participants)	1c(7)		
(8) Participant loans	1c(8)	184,712	179,393
(9) Value of interest in common/collective trusts	1c(9)		
(10) Value of interest in pooled separate accounts	1c(10)	4,420,855	5,383,186
(11) Value of interest in master trust investment accounts	1c(11)		
(12) Value of interest in 103-12 investment entities	1c(12)		
(13) Value of interest in registered investment companies (e.g., mutual funds)	1c(13)		
(14) Value of funds held in insurance company general account (unallocated contracts).....	1c(14)	722,264	754,196
(15) Other.....	1c(15)		

1d Employer-related investments:		(a) Beginning of Year	(b) End of Year
(1) Employer securities.....	1d(1)		
(2) Employer real property.....	1d(2)		
e Buildings and other property used in plan operation	1e		
f Total assets (add all amounts in lines 1a through 1e).....	1f	5,350,862	6,346,138

Liabilities

g Benefit claims payable	1g		
h Operating payables	1h		
i Acquisition indebtedness.....	1i		
j Other liabilities.....	1j		
k Total liabilities (add all amounts in lines 1g through 1j)	1k	0	0

Net Assets

l Net assets (subtract line 1k from line 1f).....	1l	5,350,862	6,346,138
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Part II Income and Expense Statement

2 Plan income, expenses, and changes in net assets for the year. Include all income and expenses of the plan, including any trust(s) or separately maintained fund(s) and any payments/receipts to/from insurance carriers. Round off amounts to the nearest dollar. MTIAs, CCTs, PSAs, and 103-12 IEs do not complete lines 2a, 2b(1)(E), 2e, 2f, and 2g.

Income

		(a) Amount	(b) Total
a Contributions:			
(1) Received or receivable in cash from: (A) Employers	2a(1)(A)	807,987	
(B) Participants	2a(1)(B)	262,534	
(C) Others (including rollovers).....	2a(1)(C)		
(2) Noncash contributions	2a(2)		
(3) Total contributions. Add lines 2a(1)(A) , (B) , (C) , and line 2a(2)	2a(3)		1,070,521
b Earnings on investments:			
(1) Interest:			
(A) Interest-bearing cash (including money market accounts and certificates of deposit).....	2b(1)(A)		
(B) U.S. Government securities	2b(1)(B)		
(C) Corporate debt instruments	2b(1)(C)		
(D) Loans (other than to participants)	2b(1)(D)		
(E) Participant loans.....	2b(1)(E)	9,846	
(F) Other	2b(1)(F)	8,296	
(G) Total interest. Add lines 2b(1)(A) through (F)	2b(1)(G)		18,142
(2) Dividends: (A) Preferred stock.....	2b(2)(A)		
(B) Common stock	2b(2)(B)		
(C) Registered investment company shares (e.g. mutual funds).....	2b(2)(C)		
(D) Total dividends. Add lines 2b(2)(A) , (B) , and (C)	2b(2)(D)		0
(3) Rents	2b(3)		
(4) Net gain (loss) on sale of assets: (A) Aggregate proceeds	2b(4)(A)		
(B) Aggregate carrying amount (see instructions).....	2b(4)(B)		
(C) Subtract line 2b(4)(B) from line 2b(4)(A) and enter result	2b(4)(C)		0
(5) Unrealized appreciation (depreciation) of assets: (A) Real estate	2b(5)(A)		
(B) Other	2b(5)(B)		
(C) Total unrealized appreciation of assets. Add lines 2b(5)(A) and (B)	2b(5)(C)		0

		(a) Amount	(b) Total
(6) Net investment gain (loss) from common/collective trusts.....	2b(6)		
(7) Net investment gain (loss) from pooled separate accounts.....	2b(7)		686,794
(8) Net investment gain (loss) from master trust investment accounts	2b(8)		
(9) Net investment gain (loss) from 103-12 investment entities	2b(9)		
(10) Net investment gain (loss) from registered investment companies (e.g., mutual funds)	2b(10)		
c Other income	2c		63
d Total income. Add all income amounts in column (b) and enter total.....	2d		1,775,520

Expenses

e Benefit payment and payments to provide benefits:			
(1) Directly to participants or beneficiaries, including direct rollovers.....	2e(1)	757,871	
(2) To insurance carriers for the provision of benefits	2e(2)		
(3) Other.....	2e(3)		
(4) Total benefit payments. Add lines 2e(1) through (3)	2e(4)		757,871
f Corrective distributions (see instructions)	2f		
g Certain deemed distributions of participant loans (see instructions).....	2g		
h Interest expense.....	2h		
i Administrative expenses: (1) Professional fees	2i(1)		
(2) Contract administrator fees	2i(2)	22,373	
(3) Investment advisory and management fees	2i(3)		
(4) Other.....	2i(4)		
(5) Total administrative expenses. Add lines 2i(1) through (4)	2i(5)		22,373
j Total expenses. Add all expense amounts in column (b) and enter total.....	2j		780,244

Net Income and Reconciliation

k Net income (loss). Subtract line 2j from line 2d	2k		995,276
l Transfers of assets:			
(1) To this plan.....	2l(1)		
(2) From this plan	2l(2)		

Part III Accountant's Opinion

3 Complete lines 3a through 3c if the opinion of an independent qualified public accountant is attached to this Form 5500. Complete line 3d if an opinion is not attached.

a The attached opinion of an independent qualified public accountant for this plan is (see instructions):

(1) ☒ Unmodified (2) ☐ Qualified (3) ☐ Disclaimer (4) ☐ Adverse

b Check the appropriate box(es) to indicate whether the IQPA performed an ERISA section 103(a)(3)(C) audit. Check both boxes (1) and (2) if the audit was performed pursuant to both 29 CFR 2520.103-8 and 29 CFR 2520.103-12(d). Check box (3) if pursuant to neither.

(1) ☒ DOL Regulation 2520.103-8 (2) ☐ DOL Regulation 2520.103-12(d) (3) ☐ neither DOL Regulation 2520.103-8 nor DOL Regulation 2520.103-12(d).

c Enter the name and EIN of the accountant (or accounting firm) below:

(1) Name: MP, PC

(2) EIN: 04-3191789

d The opinion of an independent qualified public accountant is **not attached** because:

(1) ☐ This form is filed for a CCT, PSA, or MTIA. (2) ☐ It will be attached to the next Form 5500 pursuant to 29 CFR 2520.104-50.

Part IV Compliance Questions

4 CCTs and PSAs do not complete Part IV. MTIAs, 103-12 IEs, and GIAs do not complete lines 4a, 4e, 4f, 4g, 4h, 4k, 4m, 4n, or 5. 103-12 IEs also do not complete lines 4j and 4l. MTIAs also do not complete line 4l.

During the plan year:

	Yes	No	Amount
a Was there a failure to transmit to the plan any participant contributions within the time period described in 29 CFR 2510.3-102? Continue to answer "Yes" for any prior year failures until fully corrected. (See instructions and DOL's Voluntary Fiduciary Correction Program.)	X		10,051

	Yes	No	Amount
b Were any loans by the plan or fixed income obligations due the plan in default as of the close of the plan year or classified during the year as uncollectible? Disregard participant loans secured by participant's account balance. (Attach Schedule G (Form 5500) Part I if "Yes" is checked.)		X	
4b		X	
c Were any leases to which the plan was a party in default or classified during the year as uncollectible? (Attach Schedule G (Form 5500) Part II if "Yes" is checked.)		X	
4c		X	
d Were there any nonexempt transactions with any party-in-interest? (Do not include transactions reported on line 4a. Attach Schedule G (Form 5500) Part III if "Yes" is checked.)		X	
4d		X	
e Was this plan covered by a fidelity bond?	X		500,000
4e	X		500,000
f Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty?		X	
4f		X	
g Did the plan hold any assets whose current value was neither readily determinable on an established market nor set by an independent third party appraiser?		X	
4g		X	
h Did the plan receive any noncash contributions whose value was neither readily determinable on an established market nor set by an independent third party appraiser?		X	
4h		X	
i Did the plan have assets held for investment? (Attach schedule(s) of assets if "Yes" is checked, and see instructions for format requirements.)	X		
4i	X		
j Were any plan transactions or series of transactions in excess of 5% of the current value of plan assets? (Attach schedule of transactions if "Yes" is checked and see instructions for format requirements.)		X	
4j		X	
k Were all the plan assets either distributed to participants or beneficiaries, transferred to another plan, or brought under the control of the PBGC?		X	
4k		X	
l Has the plan failed to provide any benefit when due under the plan?		X	
4l		X	
m If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.)		X	
4m		X	
n If 4m was answered "Yes," check the "Yes" box if you either provided the required notice or one of the exceptions to providing the notice applied under 29 CFR 2520.101-3.			
4n			
5a Has a resolution to terminate the plan been adopted during the plan year or any prior plan year? ☐ Yes ☒ No If "Yes," enter the amount of any plan assets that reverted to the employer this year			
5b If, during this plan year, any assets or liabilities were transferred from this plan to another plan(s), identify the plan(s) to which assets or liabilities were transferred. (See instructions.)			
5b(1) Name of plan(s)	5b(2) EIN(s)	5b(3) PN(s)	
5c Was the plan a defined benefit plan covered under the PBGC insurance program at any time during this plan year? (See ERISA section 4021 and instructions.) ☐ Yes ☐ No ☐ Not determined If "Yes" is checked, enter the My PAA confirmation number from the PBGC premium filing for this plan year			

SCHEDULE R (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Retirement Plan Information This schedule is required to be filed under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6058(a) of the Internal Revenue Code (the Code). ► File as an attachment to Form 5500.	OMB No. 1210-0110 2021 This Form is Open to Public Inspection.
For calendar plan year 2021 or fiscal plan year beginning 01/01/2021 and ending 12/31/2021		
A Name of plan Advanced Impact Technologies Group 401(k) Plan		B Three-digit plan number (PN) 001
C Plan sponsor's name as shown on line 2a of Form 5500 ADVANCED IMPACT TECHNOLOGIES GROUP		D Employer Identification Number (EIN) 81-3652561
Part I	Distributions	
All references to distributions relate only to payments of benefits during the plan year.		
1 Total value of distributions paid in property other than in cash or the forms of property specified in the instructions.....		1 0
2 Enter the EIN(s) of payor(s) who paid benefits on behalf of the plan to participants or beneficiaries during the year (if more than two, enter EINs of the two payors who paid the greatest dollar amounts of benefits): EIN(s): 04-1590850		
Profit-sharing plans, ESOPs, and stock bonus plans, skip line 3.		
3 Number of participants (living or deceased) whose benefits were distributed in a single sum, during the plan year		3
Part II	Funding Information (If the plan is not subject to the minimum funding requirements of section 412 of the Internal Revenue Code or ERISA section 302, skip this Part.)	
4 Is the plan administrator making an election under Code section 412(d)(2) or ERISA section 302(d)(2)? ☐ Yes ☐ No ☐ N/A If the plan is a defined benefit plan, go to line 8.		
5 If a waiver of the minimum funding standard for a prior year is being amortized in this plan year, see instructions and enter the date of the ruling letter granting the waiver. Date: Month _____ Day _____ Year _____ If you completed line 5, complete lines 3, 9, and 10 of Schedule MB and do not complete the remainder of this schedule.		
6 a Enter the minimum required contribution for this plan year (include any prior year accumulated funding deficiency not waived)		6a
b Enter the amount contributed by the employer to the plan for this plan year		6b
c Subtract the amount in line 6b from the amount in line 6a. Enter the result (enter a minus sign to the left of a negative amount).....		6c
If you completed line 6c, skip lines 8 and 9.		
7 Will the minimum funding amount reported on line 6c be met by the funding deadline? ☐ Yes ☐ No ☐ N/A		
8 If a change in actuarial cost method was made for this plan year pursuant to a revenue procedure or other authority providing automatic approval for the change or a class ruling letter, does the plan sponsor or plan administrator agree with the change? ☐ Yes ☐ No ☐ N/A		
Part III	Amendments	
9 If this is a defined benefit pension plan, were any amendments adopted during this plan year that increased or decreased the value of benefits? If yes, check the appropriate box. If no, check the "No" box..... ☐ Increase ☐ Decrease ☐ Both ☐ No		
Part IV	ESOPs (see instructions). If this is not a plan described under section 409(a) or 4975(e)(7) of the Internal Revenue Code, skip this Part.	
10 Were unallocated employer securities or proceeds from the sale of unallocated securities used to repay any exempt loan? ☐ Yes ☐ No		
11 a Does the ESOP hold any preferred stock? ☐ Yes ☐ No		
b If the ESOP has an outstanding exempt loan with the employer as lender, is such loan part of a "back-to-back" loan? (See instructions for definition of "back-to-back" loan.) ☐ Yes ☐ No		
12 Does the ESOP hold any stock that is not readily tradable on an established securities market? ☐ Yes ☐ No		
For Paperwork Reduction Act Notice, see the Instructions for Form 5500.		
Schedule R (Form 5500) 2021 v. 201209		

Part V Additional Information for Multiemployer Defined Benefit Pension Plans

13 Enter the following information for each employer that contributed more than 5% of total contributions to the plan during the plan year (measured in dollars). See instructions. *Complete as many entries as needed to report all applicable employers.*

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month Day Year

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents)

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify):

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month Day Year

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents)

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify):

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month Day Year

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents)

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify):

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month Day Year

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents)

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify):

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month Day Year

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents)

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify):

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month Day Year

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents)

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify):

14 Enter the number of deferred vested and retired participants (inactive participants), as of the beginning of the plan year, whose contributing employer is no longer making contributions to the plan for:		
a The current plan year. Check the box to indicate the counting method used to determine the number of inactive participants: ☐ last contributing employer ☐ alternative ☐ reasonable approximation (see instructions for required attachment).....	14a	
b The plan year immediately preceding the current plan year. ☐ Check the box if the number reported is a change from what was previously reported (see instructions for required attachment).....	14b	
c The second preceding plan year. ☐ Check the box if the number reported is a change from what was previously reported (see instructions for required attachment).....	14c	
15 Enter the ratio of the number of participants under the plan on whose behalf no employer had an obligation to make an employer contribution during the current plan year to:		
a The corresponding number for the plan year immediately preceding the current plan year.....	15a	
b The corresponding number for the second preceding plan year.....	15b	
16 Information with respect to any employers who withdrew from the plan during the preceding plan year:		
a Enter the number of employers who withdrew during the preceding plan year.....	16a	
b If line 16a is greater than 0, enter the aggregate amount of withdrawal liability assessed or estimated to be assessed against such withdrawn employers.....	16b	
17 If assets and liabilities from another plan have been transferred to or merged with this plan during the plan year, check box and see instructions regarding supplemental information to be included as an attachment. ☐		

Part VI	Additional Information for Single-Employer and Multiemployer Defined Benefit Pension Plans
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18 If any liabilities to participants or their beneficiaries under the plan as of the end of the plan year consist (in whole or in part) of liabilities to such participants and beneficiaries under two or more pension plans as of immediately before such plan year, check box and see instructions regarding supplemental information to be included as an attachment..... ☐	
19 If the total number of participants is 1,000 or more, complete lines (a) through (c)	
a Enter the percentage of plan assets held as: Stock: _____% Investment-Grade Debt: _____% High-Yield Debt: _____% Real Estate: _____% Other: _____%	
b Provide the average duration of the combined investment-grade and high-yield debt: ☐ 0-3 years ☐ 3-6 years ☐ 6-9 years ☐ 9-12 years ☐ 12-15 years ☐ 15-18 years ☐ 18-21 years ☐ 21 years or more	
c What duration measure was used to calculate line 19(b)? ☐ Effective duration ☐ Macaulay duration ☐ Modified duration ☐ Other (specify): _____	
20 PBGC missed contribution reporting requirements. If this is a multiemployer plan or a single-employer plan that is not covered by PBGC, skip line 20.	
a Is the amount of unpaid minimum required contributions for all years from Schedule SB (Form 5500) line 40 greater than zero? ☐ Yes ☐ No	
b If line 20a is "Yes," has PBGC been notified as required by ERISA sections 4043(c)(5) and/or 303(k)(4)? Check the applicable box:	
☐ Yes.	
☐ No. Reporting was waived under 29 CFR 4043.25(c)(2) because contributions equal to or exceeding the unpaid minimum required contribution were made by the 30th day after the due date.	
☐ No. The 30-day period referenced in 29 CFR 4043.25(c)(2) has not yet ended, and the sponsor intends to make a contribution equal to or exceeding the unpaid minimum required contribution by the 30th day after the due date.	
☐ No. Other. Provide explanation _____	

A Name of Plan Advanced Impact Technologies Group 401(k) Plan	B Three-digit plan Number 001
C Plan sponsor's name as shown on line 2a of Form 5500 Advanced Impact Technologies	D Employer Identification Number 813652561

Schedule H, line 4i - Schedule of Assets (Held At End of Year)

(a)	(b) Identity of issue, borrower, lessor, or similar party	(c) Description of investment including maturity date, rate of interest, collateral, par, or maturity value	(d) Cost	(e) Current Value
*	MassMutual	Guaranteed Interest Account	754,196	754,196
*	MassMutual	Ceredex Mid Cp Val Eq (Virtus)	116,904	187,681
*	MassMutual	Core Bond (MassMutual)	428,746	463,257
*	MassMutual	Disciplined Growth (MassMutual)	107,082	153,153
*	MassMutual	Emerging Markets Equity (MFS)	50,386	53,226
*	MassMutual	Equity Opportunities (MassMutual)	99,524	133,641
*	MassMutual	Fundamental Value (MassMutual)	156,952	230,516
*	MassMutual	High Yield (MassMutual)	196,605	232,541
*	MassMutual	Income (PIMCO)	152,491	159,957
*	MassMutual	International Equity (MassMutual)	53,238	66,903
*	MassMutual	Mid Cap Growth (MassMutual)	31,860	48,150
*	MassMutual	MM MSCI EAFE Intl Indx (Nrtm Tr)	110,256	130,967
*	MassMutual	MM Rsl 2000 SmCap Indx (Nrtm Tr)	66,059	82,883
*	MassMutual	MM S&P 500 Index (Northern Trust)	396,512	659,361
*	MassMutual	MM S&P Mid Cap Index (Nrtm Tr)	62,461	87,109
*	MassMutual	MM Sel T. Rowe Price Ret 2020	113,124	164,148
*	MassMutual	MM Sel T. Rowe Price Ret 2025	196,540	272,333
*	MassMutual	MM Sel T. Rowe Price Ret 2030	176,888	221,849
*	MassMutual	MM Sel T. Rowe Price Ret 2035	99,995	123,069
*	MassMutual	MM Sel T. Rowe Price Ret 2040	88,093	108,321
*	MassMutual	MM Sel T. Rowe Price Ret 2045	602,173	853,208
*	MassMutual	MM Sel T. Rowe Price Ret 2050	48,274	61,668
*	MassMutual	MM Sel T. Rowe Price Ret 2055	353,548	444,930
*	MassMutual	MM Sel T. Rowe Price Ret 2060	13,050	13,405
*	MassMutual	Real Estate (Invesco)	45,436	59,859
*	MassMutual	Small Cap Growth Eqty (MassMutual)	29,521	40,282
*	MassMutual	Small Company Value (MassMutual)	47,969	56,718
*	MassMutual	Strategic Income (Loomis Sayles)	232,972	271,660
*	MassMutual	Holding Account - US Govt Money Mar	0	11
*	MassMutual	US Govt Money Markt (MassMutual)	0	2,381
	Participant Loans	5.250000 - 7.500000	0	179,393

A Name of Plan		B Three-digit plan Number	001
Advanced Impact Technologies Group 401(k) Plan		D Employer Identification Number	813652561
C Plan sponsor's name as shown on line 2a of Form 5500			
Advanced Impact Technologies			

Schedule C Formula Description and/or EIC Statement Description

Service Provider Name	Service Provider EIN	Service Provider Address	Formula / EIC Statement
Envestnet Retirement Solutions, LLC	611732930		Empower paid Envestnet Retirement Solutions, LLC(ERS) an annual fee based on a tiered percentage of assets equal to 0.94 bps of the aggregate assets of all participating plans in the Fiduciary Assure Program with respect to ERSs investment advisory serv
Great West Life & Annuity Insurance Company	840467907		Millennium Trust Company, LLC paid Empower a one-time referral fee of \$50 for each participant IRA rollover with a balance of \$10,000 or more, \$40 with a balance of \$500 or more but less than \$10,000, and \$20 with a balance of \$150 or more but less than
Invesco	760343427		Invesco received estimated Investment Management Fees of 0.73% with respect to plan assets held in the Real Estate (Invesco) separate account (SIA-CB).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual provided the Plan with the required written disclosure for float revenue received by MassMutual.
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated 12b-1 Fees of 0.25% with respect to plan assets held in the Income (PIMCO) separate account (SIA-JDV).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated Sub-TA Fees of 0.30% with respect to plan assets held in the Real Estate (Invesco) separate account (SIA-CB).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated 12b-1 Fees of 0.25% with respect to plan assets held in the MM Sel T. Rowe Price Ret Bal separate account (SIA-BT).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated 12b-1 Fees of 0.25% with respect to plan assets held in the Emerging Markets Equity (MFS) separate account (SIA-UA).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated 12b-1 Fees of 0.25% with respect to plan assets held in the MM Sel T. Rowe Price Ret 2005 separate account (SIA-CO).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated 12b-1 Fees of 0.25% with respect to plan assets held in the MM Sel T. Rowe Price Ret 2010 separate account (SIA-FT).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated 12b-1 Fees of 0.25% with respect to plan assets held in the MM Sel T. Rowe Price Ret 2015 separate account (SIA-DO).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated 12b-1 Fees of 0.25% with respect to plan assets held in the MM Sel T. Rowe Price Ret 2020 separate account (SIA-LT).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated 12b-1 Fees of 0.25% with respect to plan assets held in the MM Sel T. Rowe Price Ret 2025 separate account (SIA-EO).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated 12b-1 Fees of 0.25% with respect to plan assets held in the MM Sel T. Rowe Price Ret 2030 separate account (SIA-PT).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated 12b-1 Fees of 0.25% with respect to plan assets held in the MM Sel T. Rowe Price Ret 2035 separate account (SIA-FO).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated 12b-1 Fees of 0.25% with respect to plan assets held in the MM Sel T. Rowe Price Ret 2040 separate account (SIA-QT).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated 12b-1 Fees of 0.25% with respect to plan assets held in the MM Sel T. Rowe Price Ret 2045 separate account (SIA-GO).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated 12b-1 Fees of 0.25% with respect to plan assets held in the MM Sel T. Rowe Price Ret 2050 separate account (SIA-OT).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated 12b-1 Fees of 0.25% with respect to plan assets held in the MM Sel T. Rowe Price Ret 2055 separate account (SIA-HO).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated 12b-1 Fees of 0.25% with respect to plan assets held in the MM Sel T. Rowe Price Ret 2060 separate account (SIA-CRK).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated Sub-TA Fees of 0.25% with respect to plan assets held in the Emerging Markets Equity (MFS) separate account (SIA-UA).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated Administrative Fees of 0.25% with respect to plan assets

Company	041590850	held in the Core Bond (MassMutual) separate account (SIA-YE).
Massachusetts Mutual Life Insurance Company		MassMutual received estimated Sub-TA Fees of 0.50% with respect to plan assets held in the Ceredex Mid Cp Val Eq (Virtus) separate account (SIA-M8).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of 0.35% with respect to plan assets held in the High Yield (MassMutual) separate account (SIA-JH).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Sub-TA Fees of 0.20% with respect to plan assets held in the Strategic Income (Loomis Sayles) separate account (SIA-SL).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of 0.25% with respect to plan assets held in the Mid Cap Growth (MassMutual) separate account (SIA-YT).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of 0.15% with respect to plan assets held in the MM Sel T. Rowe Price Ret Bal separate account (SIA-BT).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of 0.15% with respect to plan assets held in the MM Sel T. Rowe Price Ret 2005 separate account (SIA-CO).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of 0.15% with respect to plan assets held in the MM Sel T. Rowe Price Ret 2010 separate account (SIA-FT).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of 0.15% with respect to plan assets held in the MM Sel T. Rowe Price Ret 2015 separate account (SIA-DO).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of 0.15% with respect to plan assets held in the MM Sel T. Rowe Price Ret 2020 separate account (SIA-LT).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of 0.15% with respect to plan assets held in the MM Sel T. Rowe Price Ret 2025 separate account (SIA-EO).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of 0.15% with respect to plan assets held in the MM Sel T. Rowe Price Ret 2030 separate account (SIA-PT).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of 0.15% with respect to plan assets held in the MM Sel T. Rowe Price Ret 2035 separate account (SIA-FO).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of 0.15% with respect to plan assets held in the MM Sel T. Rowe Price Ret 2040 separate account (SIA-QT).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of 0.15% with respect to plan assets held in the MM Sel T. Rowe Price Ret 2045 separate account (SIA-GO).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of 0.15% with respect to plan assets held in the MM Sel T. Rowe Price Ret 2050 separate account (SIA-OT).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of 0.15% with respect to plan assets held in the MM Sel T. Rowe Price Ret 2055 separate account (SIA-HO).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Investment Management Fees of 0.38% with respect to plan assets held in the Core Bond (MassMutual) separate account (SIA-YE).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of 0.15% with respect to plan assets held in the MM Sel T. Rowe Price Ret 2060 separate account (SIA-CRK).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of 0.25% with respect to plan assets held in the Fundamental Value (MassMutual) separate account (SIA-YK).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Investment Management Fees of 0.47% with respect to plan assets held in the High Yield (MassMutual) separate account (SIA-JH).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of 0.35% with respect to plan assets held in the Disciplined Growth (MassMutual) separate account (SIA-JU).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of 0.35% with respect to plan assets held in the MM S&P Mid Cap Index (Ntrn Tr) separate account (SIA-CBW).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of 0.10% with respect to plan assets held in the US Govt Money Markt (MassMutual) separate account (SIA-YG).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of 0.25% with respect to plan assets held in the Small Company Value (MassMutual) separate account (SIA-YY).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of 0.25% with respect to plan assets held in the Equity Opportunities (MassMutual) separate account (SIA-YV).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of 0.25% with respect to plan assets held in the International Equity (MassMutual) separate account (SIA-YI).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of 0.35% with respect to plan assets held in the MM MSCI EAFE Intl Indx (Ntrn Tr) separate account (SIA-CCC).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of 0.35% with respect to plan assets held in the MM Rsl 2000 SmCap Indx (Ntrn Tr) separate account (SIA-CBP).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of 0.35% with respect to plan assets

Company			held in the MM S&P 500 Index (Northern Trust) separate account (SIA-YX).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated Administrative Fees of 0.25% with respect to plan assets held in the Small Cap Growth Eqty (MassMutual) separate account (SIA-YC).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated Investment Management Fees of 0.68% with respect to plan assets held in the Mid Cap Growth (MassMutual) separate account (SIA-YT).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated Investment Management Fees of 0.61% with respect to plan assets held in the MM Sel T, Rowe Price Ret Bal separate account (SIA-BT).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated Investment Management Fees of 0.64% with respect to plan assets held in the MM Sel T, Rowe Price Ret 2005 separate account (SIA-CO).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated Investment Management Fees of 0.64% with respect to plan assets held in the MM Sel T, Rowe Price Ret 2010 separate account (SIA-FT).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated Investment Management Fees of 0.65% with respect to plan assets held in the MM Sel T, Rowe Price Ret 2015 separate account (SIA-DO).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated Investment Management Fees of 0.68% with respect to plan assets held in the MM Sel T, Rowe Price Ret 2020 separate account (SIA-LT).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated Investment Management Fees of 0.70% with respect to plan assets held in the MM Sel T, Rowe Price Ret 2025 separate account (SIA-EO).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated Investment Management Fees of 0.73% with respect to plan assets held in the MM Sel T, Rowe Price Ret 2030 separate account (SIA-PT).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated Investment Management Fees of 0.75% with respect to plan assets held in the MM Sel T, Rowe Price Ret 2035 separate account (SIA-FO).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated Investment Management Fees of 0.76% with respect to plan assets held in the MM Sel T, Rowe Price Ret 2040 separate account (SIA-QT).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated Investment Management Fees of 0.78% with respect to plan assets held in the MM Sel T, Rowe Price Ret 2045 separate account (SIA-GO).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated Investment Management Fees of 0.78% with respect to plan assets held in the MM Sel T, Rowe Price Ret 2050 separate account (SIA-OT).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated Investment Management Fees of 0.78% with respect to plan assets held in the MM Sel T, Rowe Price Ret 2055 separate account (SIA-HO).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated Investment Management Fees of 0.60% with respect to plan assets held in the Fundamental Value (MassMutual) separate account (SIA-YK).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated Investment Management Fees of 0.78% with respect to plan assets held in the MM Sel T, Rowe Price Ret 2060 separate account (SIA-CRK).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated Investment Management Fees of 0.10% with respect to plan assets held in the MM S&P Mid Cap Index (Nrtm Tr) separate account (SIA-CBW).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated Investment Management Fees of 0.45% with respect to plan assets held in the Disciplined Growth (MassMutual) separate account (SIA-JU).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated Investment Management Fees of 0.35% with respect to plan assets held in the US Govt Money Markt (MassMutual) separate account (SIA-YG).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated Investment Management Fees of 0.85% with respect to plan assets held in the Small Company Value (MassMutual) separate account (SIA-YY).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated Investment Management Fees of 0.09% with respect to plan assets held in the MM S&P 500 Index (Northern Trust) separate account (SIA-YX).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated Investment Management Fees of 0.10% with respect to plan assets held in the MM MSCI EAFE Intl Indx (Nrtm Tr) separate account (SIA-CCC).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated Investment Management Fees of 0.10% with respect to plan assets held in the MM Rsl 2000 SmCap Indx (Nrtm Tr) separate account (SIA-CBP).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated Investment Management Fees of 0.69% with respect to plan assets held in the Equity Opportunities (MassMutual) separate account (SIA-YV).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated Investment Management Fees of 0.83% with respect to plan assets held in the International Equity (MassMutual) separate account (SIA-YI).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated Investment Management Fees of 0.80% with respect to plan assets held in the Small Cap Growth Eqty (MassMutual) separate account (SIA-YC).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual provided the plan with the required written disclosure for soft dollar compensation received by the subadviser with respect to Mid Cap Growth (MassMutual) separate account (SIA-YT).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual provided the plan with the required written disclosure for soft dollar compensation received by the subadviser with respect to Fundamental Value

Massachusetts Mutual Life Insurance Company	041590850	(MassMutual) separate account (SIA-YK). MassMutual provided the plan with the required written disclosure for soft dollar compensation received by the subadviser with respect to Disciplined Growth (MassMutual) separate account (SIA-JU).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual provided the plan with the required written disclosure for soft dollar compensation received by the subadviser with respect to Small Company Value (MassMutual) separate account (SIA-YY).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual provided the plan with the required written disclosure for soft dollar compensation received by the subadviser with respect to Equity Opportunities (MassMutual) separate account (SIA-YV).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual provided the plan with the required written disclosure for soft dollar compensation received by the subadviser with respect to International Equity (MassMutual) separate account (SIA-YI).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual provided the plan with the required written disclosure for soft dollar compensation received by the subadviser with respect to Small Cap Growth Eqty (MassMutual) separate account (SIA-YC).
MFS Investment Management	043158862	MFS Investment Management received estimated Investment Management Fees of 0.90% with respect to plan assets held in the Emerging Markets Equity (MFS) separate account (SIA-UA).
Natixis Funds	522257782	Natixis Funds received estimated Investment Management Fees of 0.57% with respect to plan assets held in the Strategic Income (Loomis Sayles) separate account (SIA-SL).
PIMCO Funds	952632339	PIMCO Funds received estimated Investment Management Fees of 0.50% with respect to plan assets held in the Income (PIMCO) separate account (SIA-JDV).
RidgeWorth	956981193	RidgeWorth received estimated Investment Management Fees of 0.69% with respect to plan assets held in the Ceredex Mid Cp Val Eq (Virtus) separate account (SIA-M8).

Form 5500 Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Annual Return/Report of Employee Benefit Plan This form is required to be filed for employee benefit plans under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and sections 6057(b) and 6058(a) of the Internal Revenue Code (the Code). ▶ Complete all entries in accordance with the instructions to the Form 5500.	OMB Nos. 1210-0110 1210-0089 2021 This Form is Open to Public Inspection
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Part I	Annual Report Identification Information
For calendar plan year 2021 or fiscal plan year beginning <u>01/01/2021</u> and ending <u>12/31/2021</u>	

- A** This return/report is for:
- ☐ a multiemployer plan ☐ a multiple-employer plan (Filers checking this box must attach a list of participating employer information in accordance with the form instructions.)
☒ a single-employer plan ☐ a DFE (specify) _____
- B** This return/report is:
- ☐ the first return/report ☐ the final return/report
☐ an amended return/report ☐ a short plan year return/report (less than 12 months)
- C** If the plan is a collectively-bargained plan, check here. ☐
- D** Check box if filing under:
- ☒ Form 5558 ☐ automatic extension ☐ the DFVC program
☐ special extension (enter description)
- E** If this is a retroactively adopted plan permitted by SECURE Act section 201, check here. ☐

Part II Basic Plan Information —enter all requested information					
1a Name of plan Advanced Impact Technologies Group 401(k) Plan	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">1b Three-digit plan number (PN) ▶</td> <td style="width: 20%; text-align: center;">001</td> </tr> <tr> <td colspan="2">1c Effective date of plan 05/01/2007</td> </tr> </table>	1b Three-digit plan number (PN) ▶	001	1c Effective date of plan 05/01/2007	
1b Three-digit plan number (PN) ▶	001				
1c Effective date of plan 05/01/2007					
2a Plan sponsor's name (employer, if for a single-employer plan) Mailing address (include room, apt., suite no. and street, or P.O. Box) City or town, state or province, country, and ZIP or foreign postal code (if foreign, see instructions) ADVANCED IMPACT TECHNOLOGIES GROUP 14 FEDERICO DRIVE PITTSFIELD MA 01201	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>2b Employer Identification Number (EIN) 81-3652561</td> </tr> <tr> <td>2c Plan Sponsor's telephone number 413-637-5001</td> </tr> <tr> <td>2d Business code (see instructions) 327210</td> </tr> </table>	2b Employer Identification Number (EIN) 81-3652561	2c Plan Sponsor's telephone number 413-637-5001	2d Business code (see instructions) 327210	
2b Employer Identification Number (EIN) 81-3652561					
2c Plan Sponsor's telephone number 413-637-5001					
2d Business code (see instructions) 327210					

Caution: A penalty for the late or incomplete filing of this return/report will be assessed unless reasonable cause is established.

Under penalties of perjury and other penalties set forth in the instructions, I declare that I have examined this return/report, including accompanying schedules, statements and attachments, as well as the electronic version of this return/report, and to the best of my knowledge and belief, it is true, correct, and complete.

SIGN HERE		<u>12/14/22</u> Date	JEFFREY BESSE
	Signature of plan administrator		Enter name of individual signing as plan administrator
SIGN HERE		<u>10/14/22</u> Date	JEFFREY BESSE
	Signature of employer/plan sponsor		Enter name of individual signing as employer or plan sponsor
SIGN HERE			
	Signature of DFE	Date	Enter name of individual signing as DFE

For Paperwork Reduction Act Notice, see the Instructions for Form 5500.

Form 5500 (2021)
v. 201209

3a Plan administrator's name and address ☐ Same as Plan Sponsor ADVANCED IMPACT TECHNOLOGIES GROUP 14 FEDERICO DRIVE PITTSFIELD MA 01201		3b Administrator's EIN 81-3652561 3c Administrator's telephone number 413-637-5001
4 If the name and/or EIN of the plan sponsor or the plan name has changed since the last return/report filed for this plan, enter the plan sponsor's name, EIN, the plan name and the plan number from the last return/report: a Sponsor's name c Plan Name		4b EIN 4d PN
5 Total number of participants at the beginning of the plan year		5 160
6 Number of participants as of the end of the plan year unless otherwise stated (welfare plans complete only lines 6a(1), 6a(2), 6b, 6c, and 6d).		
a(1) Total number of active participants at the beginning of the plan year.....		6a(1) 122
a(2) Total number of active participants at the end of the plan year		6a(2) 108
b Retired or separated participants receiving benefits.....		6b 0
c Other retired or separated participants entitled to future benefits		6c 39
d Subtotal. Add lines 6a(2), 6b, and 6c.....		6d 147
e Deceased participants whose beneficiaries are receiving or are entitled to receive benefits.		6e 0
f Total. Add lines 6d and 6e.....		6f 147
g Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item)		6g 113
h Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested		6h 0
7 Enter the total number of employers obligated to contribute to the plan (only multiemployer plans complete this item)		7
8a If the plan provides pension benefits, enter the applicable pension feature codes from the List of Plan Characteristics Codes in the instructions: 2E 2F 2G 2J 2K 2T 3D 3H b If the plan provides welfare benefits, enter the applicable welfare feature codes from the List of Plan Characteristics Codes in the instructions:		
9a Plan funding arrangement (check all that apply) (1) ☒ Insurance (2) ☐ Code section 412(e)(3) insurance contracts (3) ☒ Trust (4) ☐ General assets of the sponsor		9b Plan benefit arrangement (check all that apply) (1) ☒ Insurance (2) ☐ Code section 412(e)(3) insurance contracts (3) ☒ Trust (4) ☐ General assets of the sponsor
10 Check all applicable boxes in 10a and 10b to indicate which schedules are attached, and, where indicated, enter the number attached. (See instructions)		
a Pension Schedules (1) ☒ R (Retirement Plan Information) (2) ☐ MB (Multiemployer Defined Benefit Plan and Certain Money Purchase Plan Actuarial Information) - signed by the plan actuary (3) ☐ SB (Single-Employer Defined Benefit Plan Actuarial Information) - signed by the plan actuary		b General Schedules (1) ☒ H (Financial Information) (2) ☐ I (Financial Information - Small Plan) (3) ☒ <u>1</u> A (Insurance Information) (4) ☒ C (Service Provider Information) (5) ☒ D (DFE/Participating Plan Information) (6) ☐ G (Financial Transaction Schedules)

Part III Form M-1 Compliance Information (to be completed by welfare benefit plans)

11a If the plan provides welfare benefits, was the plan subject to the Form M-1 filing requirements during the plan year? (See instructions and 29 CFR 2520.101-2.) ☐ Yes ☐ No

If "Yes" is checked, complete lines 11b and 11c.

11b Is the plan currently in compliance with the Form M-1 filing requirements? (See instructions and 29 CFR 2520.101-2.) ☐ Yes ☐ No

11c Enter the Receipt Confirmation Code for the 2021 Form M-1 annual report. If the plan was not required to file the 2021 Form M-1 annual report, enter the Receipt Confirmation Code for the most recent Form M-1 that was required to be filed under the Form M-1 filing requirements. (Failure to enter a valid Receipt Confirmation Code will subject the Form 5500 filing to rejection as incomplete.)

Receipt Confirmation Code _____

ADVANCED IMPACT TECHNOLOGIES GROUP 401K PLAN

FINANCIAL STATEMENTS

for the years ended December 31, 2021 and 2020

ADVANCED IMPACT TECHNOLOGIES GROUP 401K PLAN

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Schedules required under the Employee Retirement Income Security Act of 1974, other than the schedule listed above, are omitted because of the absence of conditions under which the schedules are required.



INDEPENDENT AUDITORS' REPORT

To the Plan Administrator of the
Advanced Impact Technologies Group 401k Plan

Scope and Nature of the ERISA Section 103(a)(3)(C) Audit for the 2021 Financial Statements

We have performed an audit of the accompanying financial statements of Advanced Impact Technologies Group 401k Plan (the "Plan"), an employee benefit plan subject to the Employee Retirement Income Security Act of 1974 (ERISA), as permitted by ERISA Section 103(a)(3)(C) (ERISA Section 103(a)(3)(C) audit). The financial statements comprise the statement of net assets available for benefits as of December 31, 2021, and the related statement of changes in net assets available for benefits for the year then ended, and the related notes to the financial statements ("2021 Financial Statements").

Management, having determined it is permissible in the circumstances, has elected to have the audit of the Plan's financial statements performed in accordance with ERISA Section 103(a)(3)(C) pursuant to 29 CFR 2520.103-8 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA. As permitted by ERISA Section 103(a)(3)(C), our audit need not extend to any statements or information related to assets held for investment of the Plan (investment information) by a bank or similar institution or insurance carrier that is regulated, supervised, and subject to periodic examination by a state or federal agency, provided that the statements or information regarding assets so held are prepared and certified to by the bank or similar institution or insurance carrier in accordance with 29 CFR 2520.103-5 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA (qualified institution).

Management has obtained a certification from a qualified institution as of and for the year ended December 31, 2021, stating that the certified investment information, as described in Note 3 to the financial statements, is complete and accurate.

Opinion on the 2021 Financial Statements

In our opinion, based on our audit and on the procedures performed as described in the Auditor's Responsibilities for the Audit of the Financial Statements section—

- the amounts and disclosures in the accompanying financial statements, other than those agreed to or derived from the certified investment information, are presented fairly, in all material respects, in accordance with accounting principles generally accepted in the United States of America.
- the information in the accompanying financial statements related to assets held by and certified to by a qualified institution agrees to, or is derived from, in all material respects, the information prepared and certified by an institution that management determined meets the requirements of ERISA Section 103(a)(3)(C).

Basis for Opinion on the 2021 Financial Statements

We conducted our audit in accordance with auditing standards generally accepted in the United States of America (GAAS). Our responsibilities under those standards are further described in the Auditor's Responsibilities for the Audit of the 2021 Financial Statements section of our report. We are required to be independent of the Plan and to meet our other ethical responsibilities in accordance with the relevant ethical requirements relating to our audit. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our ERISA Section 103(a)(3)(C) audit opinion.

Responsibilities of Management for the 2021 Financial Statements

Management is responsible for the preparation and fair presentation of these financial statements in accordance with accounting principles generally accepted in the United States of America, and for the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error. Management's election of the ERISA Section 103(a)(3)(C) audit does not affect management's responsibility for the financial statements.

In preparing the financial statements, management is required to evaluate whether there are conditions or events, considered in the aggregate, that raise substantial doubt about the Plan's ability to continue as a going concern for one year after the date the financial statements are available to be issued.

Management is also responsible for maintaining a current Plan instrument, including all Plan amendments; administering the Plan; and determining that the Plan's transactions that are presented and disclosed in the financial statements are in conformity with the Plan's provisions, including maintaining sufficient records with respect to each of the participants, to determine the benefits due or which may become due to such participants.

Auditor's Responsibilities for the Audit of the 2021 Financial Statements

Except as described in the Scope and Nature of the ERISA Section 103(a)(3)(C) Audit for the 2021 Financial Statements section of our report, our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with GAAS will always detect a material misstatement when it exists. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Misstatements are considered material if there is a substantial likelihood that, individually or in the aggregate, they would influence the judgment made by a reasonable user based on the financial statements.

In performing an audit in accordance with GAAS, we:

- Exercise professional judgment and maintain professional skepticism throughout the audit.
- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Plan's internal control. Accordingly, no such opinion is expressed.
- Evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluate the overall presentation of the financial statements.
- Conclude whether, in our judgment, there are conditions or events, considered in the aggregate, that raise substantial doubt about the Plan's ability to continue as a going concern for a reasonable period of time.

Our audit did not extend to the certified investment information, except for obtaining and reading the certification, comparing the certified investment information with the related information presented and disclosed in the financial statements, and reading the disclosures relating to the certified investment information to assess whether they are in accordance with the presentation and disclosure requirements of accounting principles generally accepted in the United States of America.

Accordingly, the objective of an ERISA Section 103(a)(3)(C) audit is not to express an opinion about whether the financial statements as a whole are presented fairly, in all material respects, in accordance with accounting principles generally accepted in the United States of America.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit, significant audit findings, and certain internal control-related matters that we identified during the audit.

Other Matter – 2021 Supplemental Schedule Required by ERISA

The supplemental schedule of Schedule H, line 4i-Schedule of Assets (Held At End of Year) is presented for purposes of additional analysis and is not a required part of the financial statements but is supplementary information required by the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA. Such information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the financial statements.

The information included in the supplemental schedule, other than that agreed to or derived from the certified investment information, has been subjected to auditing procedures applied in the audit of the financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the financial statements or to the financial statements themselves, and other additional procedures in accordance with GAAS. For information included in the supplemental schedules that agreed to or is derived from the certified investment information, we compared such information to the related certified investment information.

In forming our opinion on the supplemental schedule, we evaluated whether the supplemental schedule, other than the information agreed to or derived from the certified investment information, including their form and content, is presented in conformity with the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA.

In our opinion—

- the form and content of the supplemental schedule, other than the information in the supplemental schedule that agreed to or is derived from the certified investment information, is presented, in all material respects, in conformity with the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA.
- the information in the supplemental schedule related to assets held by and certified to by a qualified institution agrees to or is derived from, in all material respects, the information prepared and certified by an institution that management determined meets the requirements of ERISA Section 103(a)(3)(C).

Other Matter – Report on the 2020 Financial Statements

We were engaged to audit the 2020 financial statements of Advanced Impact Technologies Group 401k Plan, which comprise the statements of net assets available for benefits as of December 31, 2020, and the related statements of changes in net assets available for benefits for the year December 31, 2020, and the related notes to the 2020 financial statements.

As permitted by 29 CFR 2520.103-8 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974, the Plan administrator instructed us not to perform, and we did not perform, any auditing procedures with respect to the information certified by Massachusetts Mutual Life Insurance Company, qualified institution, except for comparing such information with the related information included in the 2020 financial statements.

Our audit report dated October 15, 2021, indicated that because of the significance of the information that we did not audit, we were not able to obtain sufficient appropriate audit evidence to provide a basis for an audit opinion and accordingly, we did not express an opinion on the 2020 Financial Statements.


Springfield, Massachusetts
October 14, 2022

ADVANCED IMPACT TECHNOLOGIES GROUP 401K PLAN
STATEMENTS OF NET ASSETS AVAILABLE FOR BENEFITS

December 31, 2021 and 2020

	<u>2021</u>	<u>2020</u>
ASSETS		
Investments, at fair value.....	\$ 5,383,187	\$ 4,420,855
Investments, at contract value.....	<u>754,196</u>	<u>722,264</u>
	6,137,383	5,143,119
 Receivables:		
Employer contribution receivable.....	23,102	14,587
Participant contribution receivable.....	6,261	8,444
Notes receivable from participants.....	<u>179,392</u>	<u>184,712</u>
Total receivables.....	<u>208,755</u>	<u>207,743</u>
 Total assets.....	<u>6,346,138</u>	<u>5,350,862</u>
 Net assets available for benefits.....	<u><u>\$ 6,346,138</u></u>	<u><u>\$ 5,350,862</u></u>

See accompanying notes to financial statements.

ADVANCED IMPACT TECHNOLOGIES GROUP 401K PLAN

STATEMENT OF CHANGES IN NET ASSETS AVAILABLE FOR BENEFITS

for the years ended December 31, 2021 and 2020

	<u>2021</u>	<u>2020</u>
ADDITIONS		
Investment income:		
Net appreciation in fair value of investments.....	\$ 686,794	\$ 543,551
Interest and dividends.....	<u>8,297</u>	<u>8,582</u>
Total investment income.....	695,091	552,133
Interest income on notes receivable from participants.....	9,846	9,731
Contributions:		
Employer.....	807,988	735,451
Participant.....	<u>262,538</u>	<u>259,681</u>
	<u>1,070,526</u>	<u>995,132</u>
Other Income.....	57	549
Total additions.....	<u>1,775,520</u>	<u>1,557,545</u>
DEDUCTIONS		
Benefits paid to participants	757,871	540,278
Administrative expenses.....	<u>22,373</u>	<u>22,178</u>
Total deductions.....	<u>780,244</u>	<u>562,456</u>
Net increase.....	995,276	995,089
Net assets available for benefits, beginning of year.....	<u>5,350,862</u>	<u>4,355,773</u>
Net assets available for benefits, end of year.....	<u>\$ 6,346,138</u>	<u>\$ 5,350,862</u>

See accompanying notes to financial statements

ADVANCED IMPACT TECHNOLOGIES GROUP 401K PLAN

NOTES TO FINANCIAL STATEMENTS

1. Description of the Plan

The following description of the Advanced Impact Technologies Group (“Plan Sponsor”) 401k Plan provides only general information. Participants should refer to the Plan document for a more complete description of the Plan’s provisions. In the event that there is a conflict between information provided in this document and the benefit plan documents, the terms of the Plan document will prevail.

General Information

The Company established the Plan to provide employees with a systematic means of saving and investing for the future. The Plan is a defined contribution plan covering all employees of the Company, excluding union and other employees under an acquisition, merger, or change in employer or related group, who have completed one year of service (1,000 hours) and have attained the age of 21. The Plan is subject to the provisions of the Employee Retirement Income Security Act of 1974 (“ERISA”). The Board of Directors is responsible for oversight of the Plan and determines the appropriateness of the Plan’s investment offerings and monitors investment performance.

The Plan Sponsor is a member of a controlled group. Hereinafter, the Plan Sponsor and all controlled group members who adopted the Plan are referred to as “the Company”.

Plan Contributions

Each year, participants contribute up to 85% of compensation (pretax and Roth), as defined by the Plan. Participants who have attained age 50 before the end of the Plan year are eligible to make catch-up contributions. Participants may also contribute amounts representing distributions from other qualified benefit plans (rollover). Participants direct the investment of their contributions into various investment options offered by the Plan.

The Company will make a safe harbor matching contribution up to 4% of compensation. The Company may also make a discretionary profit sharing contribution to eligible employees who are also employed on the last day of the Plan year. The profit sharing contribution shall be determined, if any, by action of the Board of Directors. The Company did not make a profit sharing contribution for the years ended December 31, 2021 and 2020.

In addition, the Company may make qualified non-elective and/or prevailing wage contributions to meet the Company’s requirements under the prevailing wage statute for participants receiving a prevailing wage. The prevailing wage contributions will offset any other profit sharing or qualified non-elective contribution allocations that would otherwise be made to a participant. The prevailing wage contributions for the year ended December 31, 2021 was \$665,117 (2020 - \$582,531). No additional qualified non-elective contributions were made for the years ended December 31, 2021 and 2020.

ADVANCED IMPACT TECHNOLOGIES GROUP 401K PLAN

NOTES TO FINANCIAL STATEMENTS, Continued

Participant Accounts

Each participant's account is credited with the participant's contributions and the Company's safe harbor matching contributions, as well as allocations of the Company's profit sharing contributions and Plan earnings. Participant accounts are charged with an allocation of administrative expenses that are paid by the Plan. Allocations are based on participant earnings, account balances, or specific participant transactions, as defined. The benefit to which a participant is entitled is the benefit that can be provided from the participant's vested account.

Vesting

Participants are 100% vested in their own contributions as well as in the safe harbor matching and prevailing wage contributions made by the Company. Profit sharing contributions are vested over the following time period:

<u>Years of Service</u>	<u>Vesting Percentage</u>
Less than 2	0%
2	20%
3	40%
4	60%
5	80%
6	100%

Participants also become 100% vested in all Company's contributions when the participant dies or becomes totally and permanently disabled.

Notes Receivable from Participants

Participants may borrow from their fund accounts a minimum of \$1,000 up to a maximum equal to the lesser of \$50,000 or 50% of their vested account balance. The loans are secured by the balance in the participant's account. Loan terms range from 1-5 years or will extend to 15 years for the purchase of a primary residence. The loans bear interest at a commercially reasonable rate of interest. Principal and interest is paid ratably through monthly payroll deductions.

Payment of Benefits

Upon termination of service, death, disability, or retirement, a participant or beneficiary may elect to receive either a lump sum equal to the value of the participant's vested interest in their account or by other methods permitted in accordance to the provisions of the Plan. There are also provisions for hardship, in-service, military and rollover distributions.

ADVANCED IMPACT TECHNOLOGIES GROUP 401K PLAN

NOTES TO FINANCIAL STATEMENTS, Continued

Forfeited Accounts

Forfeited accounts can be used to reduce employer contributions, pay Plan administrative expenses, restore forfeitures, or reallocate to Plan participants.

2. Summary of Significant Accounting Policies

Basis of Accounting

The financial statements of the Plan are prepared on the accrual basis of accounting.

Investment contracts held by a defined contribution plan are required to be reported at fair value, except for fully benefit-responsive investment contracts, which are reported at contract value. Contract value is the relevant measure attribute for the portion of the net assets available for benefits of a defined contribution plan attributable to fully benefit-responsive investment contracts because contract value is the amount participants normally would receive if they were to initiate permitted transactions under the terms of the Plan.

Use of Estimates

The preparation of financial statements in accordance with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and changes therein, and disclosure of contingent assets and liabilities. Actual results could differ from those estimates.

Investment Valuation and Income Recognition

Investments are reported at fair value (except for fully benefit-responsive investment contracts, which are reported at contract value). Fair value is the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. The Plan's Board of Director's determines the Plan's valuation policies utilizing information provided by the investment advisor, trustee, and third-party administrator. See note 4 for discussion of fair value measurements.

Purchases and sales of securities are recorded on a trade-date basis. Interest income is recorded on the accrual basis. Dividends are recorded on the ex-dividend date. Net appreciation includes the Plan's gains and losses on investments bought and sold as well as held during the year.

Benefit Payments

Benefits are recorded when paid.

ADVANCED IMPACT TECHNOLOGIES GROUP 401K PLAN

NOTES TO FINANCIAL STATEMENTS, Continued

Notes Receivable from Participants

Notes receivable from participants are measured at their unpaid principal balance plus any accrued but unpaid interest. Interest income is recorded on the accrual basis. Related fees are recorded as administrative expenses and are expensed when they are incurred. No allowance for credit losses have been recorded as of December 31, 2021 and 2020. Delinquent participant loans are recorded as distributions on the basis of the terms of the Plan agreement.

Expenses

Certain expenses of maintaining the Plan are paid by the Plan, unless otherwise paid by the Company. Expenses that are paid by the Company are excluded from these financial statements. Fees related to the administration of the Plan are charged directly to the participant's account and are included in administrative expenses. Investment related expenses are included in net appreciation of fair value of investments.

Subsequent Events

The Plan has evaluated subsequent events through October 14, 2022, the date the financial statements were available to be issued.

3. Certified Information

Certain information related to investments and notes receivable from participants disclosed in the accompanying financial statements and ERISA-required supplemental schedule, including investments and notes receivable from participants held at December 31, 2021 and 2020, and net appreciation in fair value of investments, interest and dividends, and interest income on notes receivable from participants for the year ended December 31, 2021, was obtained by management and agreed to or derived from information certified as complete and accurate by Empower, the recordkeeper of the Plan on behalf of Advanced Impact Technologies Group, the Plan Sponsor and Jeffrey E. Besse, the trustee of the Plan.

The Plan's independent accountants did not perform auditing procedures with respect to this information, except for comparing such information to the related information included in the accompanying financial statements and supplemental schedule.

ADVANCED IMPACT TECHNOLOGIES GROUP 401K PLAN

NOTES TO FINANCIAL STATEMENTS, Continued

4. Fair Value Measurements

The framework for measuring fair value provides a fair value hierarchy that prioritizes the inputs to valuation techniques used to measure fair value. The hierarchy gives the highest priority to unadjusted quoted prices in active markets for identical assets or liabilities (level 1 measurements) and the lowest priority to unobservable inputs (level 3 measurements). The three levels of the fair value hierarchy under FASB ASC 820 are described as follows:

Level 1 Inputs to the valuation methodology are unadjusted quoted prices for identical assets or liabilities in active markets that the Plan has the ability to access.

Level 2 Inputs to the valuation methodology include:

- Quoted prices for similar assets or liabilities in active markets;
- Quoted prices for identical or similar assets or liabilities in inactive markets;
- Inputs other than quoted prices that are observable for the asset or liability;
- Inputs that are derived principally from or corroborated by observable market data by correlation or other means.

If the asset or liability has a specified (contractual) term, the level 2 input must be observable for substantially the full term of the asset or liability.

Level 3 Inputs to the valuation methodology are unobservable and significant to the fair value measurement.

The asset or liability's fair value measurement level within the fair value hierarchy is based on the lowest level of any input that is significant to the fair value measurement. Valuation techniques maximize the use of relevant observable inputs and minimize the use of unobservable inputs.

There have been no changes in the methodologies used at December 31, 2021 or 2020. The following are descriptions of the valuation methodologies used for assets measured at fair value.

Separate investment accounts: Valued based on units of the separate accounts at their accumulation unit value (AUV). The AUV is determined daily based on the net asset value (NAV) of shares of the underlying funds, the fund's dividends and the contract's separate account charges. The NAV, as provided by the custodian, is used as a practical expedient to estimate fair value.

Due to the nature of the separate accounts discussed above, there are no unfunded commitments or redemption restrictions. Redemptions can be made daily.

ADVANCED IMPACT TECHNOLOGIES GROUP 401K PLAN

NOTES TO FINANCIAL STATEMENTS, Continued

Fair Value Measurements, Continued

The following tables set forth by level, within the fair value hierarchy, the Plan's assets at fair value as of December 31, 2021 and 2020:

<u>Description</u>	<u>Level 1</u>	<u>Level 2</u>	<u>Level 3</u>	<u>12/31/2021</u>
Investments measured at net asset value (*)				\$ 5,383,187
Investments at fair value				\$ 5,383,187

<u>Description</u>	<u>Level 1</u>	<u>Level 2</u>	<u>Level 3</u>	<u>12/31/2020</u>
Investments measured at net asset value (*)				\$ 4,420,855
Investments at fair value				\$ 4,420,855

(*) In accordance with Subtopic 820-10, certain investments that were measured at net asset value per share (or its equivalent) have not been classified in the fair value hierarchy. The fair value amounts presented in this table are intended to permit reconciliation of the fair value hierarchy to the line items presented in the statement of net assets available for benefits.

5. Group Annuity Contract

The Plan's assets are primarily invested in a group annuity contract with Empower, which provides for separate investment accounts as well as the guaranteed interest account ("GIA"). The GIA is credited with earnings on the underlying investments and charged for participant withdrawals and administrative expenses. The GIA issuer is contractually obligated to repay the principal and a specified interest rate that is guaranteed to the Plan.

This GIA meets the fully benefit-responsive investment contract criteria and therefore is reported at contract value. Contract value is the relevant measurement attribute for fully-benefit responsive investment contracts because this is the amount received by participants if they were to initiate permitted transactions under the terms of the Plan. Contract value, as reported to the Plan by the custodian, represents contributions made under the contract, plus earnings, less participant withdrawals and administrative expenses. Participants may ordinarily direct the withdrawal or transfer of all or a portion of their investment at contract value.

The Plan's ability to receive amounts due is dependent on the issuer's ability to meet its financial obligations. The issuer's ability to meet its contractual obligations may be affected by future economic and regulatory developments.

ADVANCED IMPACT TECHNOLOGIES GROUP 401K PLAN

NOTES TO FINANCIAL STATEMENTS, Continued

Group Annuity Contract, Continued

Certain events limit the ability of the Plan to transact at contract value with the issuer. Such events include 1) amendments to the Plan documents, including complete or partial Plan termination or merger with another Plan, 2) changes to the Plan's prohibition on competing investment options or deletion of equity wash provisions, 3) bankruptcy of the Plan sponsor or other Plan sponsor events for example, divestitures or spin-offs of a subsidiary that cause a significant withdrawal from the Plan, 4) the failure of the trust to qualify for exemption from federal income taxes or any required prohibited transaction exemption under ERISA, or 5) premature termination of the contract. No events are probable of occurring that might limit the ability of the Plan to transact at contract value with the contract issuers and that also would limit the ability of the plan to transact at contract value with the participants.

In addition, certain events allow the issuer to terminate the contract with the Plan and settle at an amount different from contract value. Such events include 1) an uncured violation of the Plan's investment guidelines, 2) a breach of material obligation under the contract, 3) a material misrepresentation, or 4) a material amendment to the agreement without the consent of the issuer.

6. Related Party/Party-in-Interest Transactions

Empower, recordkeeper, has title to the assets of the Plan and performs daily valuation and recordkeeping services, therefore, these transactions qualify as party-in-interest transactions.

Jeffrey Besse, Plan trustee, acts as the investment manager for each of the investment options offered by the Plan.

Certain employees and officers of the Company, most of whom are also participants in the Plan, perform administrative services to the Plan at no cost to the Plan. Certain Plan expenses may be covered by the Plan, as stated in the Plan document.

The Company is the Plan Sponsor and the Plan Sponsor may pay certain administrative expenses. Therefore, these transactions qualify as party-in-interest transactions.

Strategic Pension Services, third-party administrator (TPA), performs recordkeeping and administrative services to the Plan. As a TPA, these transactions qualify as party-in-interest transactions.

All of these party-in-interest transactions are exempt from the prohibited transaction rules of ERISA.

ADVANCED IMPACT TECHNOLOGIES GROUP 401K PLAN

NOTES TO FINANCIAL STATEMENTS, Continued

7. Plan Termination

Although it has not expressed any intent to do so, the Company has the right under the Plan to discontinue its contributions at any time and to amend, modify, or terminate the Plan subject to the provisions of ERISA. In the event of Plan termination, participants would become 100 percent vested in their employer contributions.

8. Tax Status

The Company had adopted a prototype plan document and is relying on the prototype sponsor's opinion letter from the Internal Revenue Service (IRS) dated March 31, 2014. The letter states that the prototype and related trust are designed in accordance with applicable sections of the Internal Revenue Code (IRC). Although the prototype plan has been amended since receiving the opinion letter, the prototype sponsor and the Plan Administrator believe that the Plan is designed and is currently being operated in compliance with the applicable requirements of the IRC and has no income subject to unrelated business income tax. Therefore, no provision for income taxes has been included in the Plan's financial statements.

Accounting principles generally accepted in the United States of America require Plan management to evaluate tax positions taken by the Plan and recognize a tax liability (or asset) if the Plan has taken an uncertain position that more likely than not would not be sustained upon examination by the IRS. The Plan Administrator has analyzed the tax positions taken by the Plan, and has concluded that as of December 31, 2021 there are no uncertain positions taken or expect to be taken that would require recognition of a liability (or asset) or disclosure in the financial statements. The Plan is subject to routine audits by taxing jurisdictions; however, there are currently no audits for any tax periods in progress.

9. Risks and Uncertainties

The Plan invests in various investment securities. Investment securities are exposed to various risks, such as interest rate, market, and credit risks. Due to the level of risk associated with certain investment securities, it is at least reasonably possible that changes in the values of investment securities will occur in the near term and that such changes could materially affect participants' account balances and the amounts reported in the statement of net assets available for benefits.

ADVANCED IMPACT TECHNOLOGIES GROUP 401K PLAN

Schedule H, line 4i – SCHEDULE OF ASSETS (HELD AT END OF YEAR) as of December 31, 2021

EIN – 81-3652561
PN: 001

		(c) <i>Description of Investment including Maturity Date, Rate of Interest, Collateral, Par or Maturity Value</i>	(d) <i>Cost</i>	(e) <i>Current Value</i>
(a)	(b) <i>Identity of Issue, Borrower, Lessor or Similar Party</i>			
		Guaranteed Investment Contract		
*	MassMutual	Guaranteed Interest Account	**	\$ 754,196
		Separate Investment Accounts		
*	MassMutual	MM Premier U.S. Government Money Market Fund - R5 (SIA - YG)	**	11
*	MassMutual	Oppenheimer Real Estate Fund - Y (SIA - CB)	**	59,859
*	MassMutual	Russell 2000 Small Cap Index Fund - Adm (SIA - CBP)	**	82,883
*	MassMutual	S&P Mid Cap Index Fund - Adm (SIA - CBW)	**	87,109
*	MassMutual	MSCI EAFE International Index Fund - Adm (SIA - CCC)	**	130,967
*	MassMutual	Select T. Rowe Price Ret 2060 Fund - M4 (SIA - CRK)	**	13,405
*	MassMutual	Select T. Rowe Price Ret 2025 Fund - M4 (SIA - EO)	**	272,333
*	MassMutual	Select T. Rowe Price Ret 2035 Fund - M4 (SIA - FO)	**	123,069
*	MassMutual	Select T. Rowe Price Ret 2045 Fund - M4 (SIA - GO)	**	853,208
*	MassMutual	Select T. Rowe Price Ret 2055 Fund - M4 (SIA - HO)	**	444,930
*	MassMutual	Income Fund - Adm (SIA - JDV)	**	159,957
*	MassMutual	Premier High Yield Fund - Adm (SIA - JH)	**	232,541
*	MassMutual	Premier Disciplined Growth Fund - Adm (SIA - JU)	**	153,153
*	MassMutual	Select T. Rowe Price Ret 2020 Fund - M4 (SIA - LT)	**	164,148
*	MassMutual	Ceredex Mid-Cap Value Equity Fund - I (SIA - M8)	**	187,681
*	MassMutual	Select T. Rowe Price Ret 2050 Fund - M4 (SIA - OT)	**	61,668
*	MassMutual	Select T. Rowe Price Ret 2030 Fund - M4 (SIA - PT)	**	221,849
*	MassMutual	Select T. Rowe Price Ret 2040 Fund - M4 (SIA - QT)	**	108,321
*	MassMutual	Loomis Sayles Strategic Income Fund - Y (SIA - SL)	**	271,660
*	MassMutual	Emerging Markets Equity Fund - A (0085) (SIA - UA)	**	53,226
*	MassMutual	Select Small Cap Growth Equity Fund - Svc (SIA - YC)	**	40,282
*	MassMutual	Premier Core Bond Fund - Svc (SIA - YE)	**	463,257
*	MassMutual	Premier U.S. Government Money Market Fund - R5 (SIA - YG)	**	2,381
*	MassMutual	Premier International Equity Fund - Svc (SIA - YI)	**	66,903
*	MassMutual	Select Fundamental Value Fund - Svc (SIA - YK)	**	230,516
*	MassMutual	Select Mid Cap Growth Fund - Svc (SIA - YT)	**	48,150
*	MassMutual	Select Equity Opportunities Fund - Svc (SIA - YV)	**	133,641
*	MassMutual	S&P 500 Index Fund - Adm (SIA - YX)	**	659,361
*	MassMutual	Select Small Company Value Fund - SVC (SIA - YY)	**	56,718
				<u>5,383,187</u>
		Total investments		6,137,383
*	Participant Loans	Loans (interest ranging from 5.25% - 7.50%)	-0-	179,392
				<u>\$ 6,316,775</u>

* - Related party/party in interest

** - All account balances are participant directed, cost not included

-0- - Cost not included

A Name of Plan Advanced Impact Technologies Group 401(k) Plan	B Three-digit plan Number	001
C Plan sponsor's name as shown on line 2a of Form 5500 Advanced Impact Technologies	D Employer Identification Number 813652561	

Schedule C Formula Description and/or EIC Statement Description

Service Provider Name	Service Provider EIN	Service Provider Address	Formula / EIC Statement
Envestnet Retirement Solutions, LLC	611732930		Empower paid Envestnet Retirement Solutions, LLC(ERS) an annual fee based on a tiered percentage of assets equal to 0.94 bps of the aggregate assets of all participating plans in the Fiduciary Assure Program with respect to ERSs investment advisory serv
Great West Life & Annuity Insurance Company	840467907		Millennium Trust Company, LLC paid Empower a one-time referral fee of \$50 for each participant IRA rollover with a balance of \$10,000 or more, \$40 with a balance of \$500 or more but less than \$10,000, and \$20 with a balance of \$150 or more but less than
Invesco	760343427		Invesco received estimated Investment Management Fees of 0.73% with respect to plan assets held in the Real Estate (Invesco) separate account (SIA-CB).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual provided the Plan with the required written disclosure for float revenue received by MassMutual.
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated 12b-1 Fees of 0.25% with respect to plan assets held in the Income (PIMCO) separate account (SIA-JDV).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated Sub-TA Fees of 0.30% with respect to plan assets held in the Real Estate (Invesco) separate account (SIA-CB).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated 12b-1 Fees of 0.25% with respect to plan assets held in the MM Sel T. Rowe Price Ret Bal separate account (SIA-BT).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated 12b-1 Fees of 0.25% with respect to plan assets held in the Emerging Markets Equity (MFS) separate account (SIA-UA).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated 12b-1 Fees of 0.25% with respect to plan assets held in the MM Sel T. Rowe Price Ret 2005 separate account (SIA-CO).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated 12b-1 Fees of 0.25% with respect to plan assets held in the MM Sel T. Rowe Price Ret 2010 separate account (SIA-FT).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated 12b-1 Fees of 0.25% with respect to plan assets held in the MM Sel T. Rowe Price Ret 2015 separate account (SIA-DO).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated 12b-1 Fees of 0.25% with respect to plan assets held in the MM Sel T. Rowe Price Ret 2020 separate account (SIA-LT).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated 12b-1 Fees of 0.25% with respect to plan assets held in the MM Sel T. Rowe Price Ret 2025 separate account (SIA-EO).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated 12b-1 Fees of 0.25% with respect to plan assets held in the MM Sel T. Rowe Price Ret 2030 separate account (SIA-PT).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated 12b-1 Fees of 0.25% with respect to plan assets held in the MM Sel T. Rowe Price Ret 2035 separate account (SIA-FO).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated 12b-1 Fees of 0.25% with respect to plan assets held in the MM Sel T. Rowe Price Ret 2040 separate account (SIA-QT).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated 12b-1 Fees of 0.25% with respect to plan assets held in the MM Sel T. Rowe Price Ret 2045 separate account (SIA-GO).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated 12b-1 Fees of 0.25% with respect to plan assets held in the MM Sel T. Rowe Price Ret 2050 separate account (SIA-OT).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated 12b-1 Fees of 0.25% with respect to plan assets held in the MM Sel T. Rowe Price Ret 2055 separate account (SIA-HO).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated 12b-1 Fees of 0.25% with respect to plan assets held in the MM Sel T. Rowe Price Ret 2060 separate account (SIA-CRK).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated Sub-TA Fees of 0.25% with respect to plan assets held in the Emerging Markets Equity (MFS) separate account (SIA-UA).
Massachusetts Mutual Life Insurance	041590850		MassMutual received estimated Administrative Fees of 0.25% with respect to plan assets

Company		held in the Core Bond (MassMutual) separate account (SIA-YE).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Sub-TA Fees of 0.50% with respect to plan assets held in the Ceredex Mid Cp Val Eq (Virtus) separate account (SIA-M8).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of 0.35% with respect to plan assets held in the High Yield (MassMutual) separate account (SIA-JH).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Sub-TA Fees of 0.20% with respect to plan assets held in the Strategic Income (Loomis Sayles) separate account (SIA-SL).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of 0.25% with respect to plan assets held in the Mid Cap Growth (MassMutual) separate account (SIA-YT).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of 0.15% with respect to plan assets held in the MM Sel T. Rowe Price Ret Bal separate account (SIA-BT).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of 0.15% with respect to plan assets held in the MM Sel T. Rowe Price Ret 2005 separate account (SIA-CO).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of 0.15% with respect to plan assets held in the MM Sel T. Rowe Price Ret 2010 separate account (SIA-FT).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of 0.15% with respect to plan assets held in the MM Sel T. Rowe Price Ret 2015 separate account (SIA-DO).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of 0.15% with respect to plan assets held in the MM Sel T. Rowe Price Ret 2020 separate account (SIA-LT).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of 0.15% with respect to plan assets held in the MM Sel T. Rowe Price Ret 2025 separate account (SIA-EO).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of 0.15% with respect to plan assets held in the MM Sel T. Rowe Price Ret 2030 separate account (SIA-PT).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of 0.15% with respect to plan assets held in the MM Sel T. Rowe Price Ret 2035 separate account (SIA-FO).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of 0.15% with respect to plan assets held in the MM Sel T. Rowe Price Ret 2040 separate account (SIA-QT).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of 0.15% with respect to plan assets held in the MM Sel T. Rowe Price Ret 2045 separate account (SIA-GO).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of 0.15% with respect to plan assets held in the MM Sel T. Rowe Price Ret 2050 separate account (SIA-OT).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of 0.15% with respect to plan assets held in the MM Sel T. Rowe Price Ret 2055 separate account (SIA-HO).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Investment Management Fees of 0.38% with respect to plan assets held in the Core Bond (MassMutual) separate account (SIA-YE).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of 0.15% with respect to plan assets held in the MM Sel T. Rowe Price Ret 2060 separate account (SIA-CRK).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of 0.25% with respect to plan assets held in the Fundamental Value (MassMutual) separate account (SIA-YK).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Investment Management Fees of 0.47% with respect to plan assets held in the High Yield (MassMutual) separate account (SIA-JH).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of 0.35% with respect to plan assets held in the Disciplined Growth (MassMutual) separate account (SIA-JU).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of 0.35% with respect to plan assets held in the MM S&P Mid Cap Index (Nrtm Tr) separate account (SIA-CBW).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of 0.10% with respect to plan assets held in the US Govt Money Markt (MassMutual) separate account (SIA-YG).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of 0.25% with respect to plan assets held in the Small Company Value (MassMutual) separate account (SIA-YY).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of 0.25% with respect to plan assets held in the Equity Opportunities (MassMutual) separate account (SIA-YV).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of 0.25% with respect to plan assets held in the International Equity (MassMutual) separate account (SIA-YI).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of 0.35% with respect to plan assets held in the MM MSCI EAFE Intl Indx (Nrtm Tr) separate account (SIA-CCC).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of 0.35% with respect to plan assets held in the MM Rsl 2000 SmCap Indx (Nrtm Tr) separate account (SIA-CBP).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of 0.35% with respect to plan assets

Company		held in the MM S&P 500 Index (Northern Trust) separate account (SIA-YX).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of 0.25% with respect to plan assets held in the Small Cap Growth Eqty (MassMutual) separate account (SIA-YC).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Investment Management Fees of 0.68% with respect to plan assets held in the Mid Cap Growth (MassMutual) separate account (SIA-YT).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Investment Management Fees of 0.61% with respect to plan assets held in the MM Sel T. Rowe Price Ret Bal separate account (SIA-BT).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Investment Management Fees of 0.64% with respect to plan assets held in the MM Sel T. Rowe Price Ret 2005 separate account (SIA-CO).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Investment Management Fees of 0.64% with respect to plan assets held in the MM Sel T. Rowe Price Ret 2010 separate account (SIA-FT).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Investment Management Fees of 0.65% with respect to plan assets held in the MM Sel T. Rowe Price Ret 2015 separate account (SIA-DO).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Investment Management Fees of 0.68% with respect to plan assets held in the MM Sel T. Rowe Price Ret 2020 separate account (SIA-LT).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Investment Management Fees of 0.70% with respect to plan assets held in the MM Sel T. Rowe Price Ret 2025 separate account (SIA-EO).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Investment Management Fees of 0.73% with respect to plan assets held in the MM Sel T. Rowe Price Ret 2030 separate account (SIA-PT).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Investment Management Fees of 0.75% with respect to plan assets held in the MM Sel T. Rowe Price Ret 2035 separate account (SIA-FO).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Investment Management Fees of 0.76% with respect to plan assets held in the MM Sel T. Rowe Price Ret 2040 separate account (SIA-QT).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Investment Management Fees of 0.78% with respect to plan assets held in the MM Sel T. Rowe Price Ret 2045 separate account (SIA-GO).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Investment Management Fees of 0.78% with respect to plan assets held in the MM Sel T. Rowe Price Ret 2050 separate account (SIA-OT).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Investment Management Fees of 0.78% with respect to plan assets held in the MM Sel T. Rowe Price Ret 2055 separate account (SIA-HO).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Investment Management Fees of 0.60% with respect to plan assets held in the Fundamental Value (MassMutual) separate account (SIA-YK).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Investment Management Fees of 0.78% with respect to plan assets held in the MM Sel T. Rowe Price Ret 2060 separate account (SIA-CRK).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Investment Management Fees of 0.10% with respect to plan assets held in the MM S&P Mid Cap Index (Nrtm Tr) separate account (SIA-CBW).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Investment Management Fees of 0.45% with respect to plan assets held in the Disciplined Growth (MassMutual) separate account (SIA-JU).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Investment Management Fees of 0.35% with respect to plan assets held in the US Govt Money Markt (MassMutual) separate account (SIA-YG).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Investment Management Fees of 0.85% with respect to plan assets held in the Small Company Value (MassMutual) separate account (SIA-YY).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Investment Management Fees of 0.09% with respect to plan assets held in the MM S&P 500 Index (Northern Trust) separate account (SIA-YX).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Investment Management Fees of 0.10% with respect to plan assets held in the MM MSCI EAFE Intl Indx (Nrtm Tr) separate account (SIA-CCC).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Investment Management Fees of 0.10% with respect to plan assets held in the MM Rsl 2000 SmCap Indx (Nrtm Tr) separate account (SIA-CBP).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Investment Management Fees of 0.69% with respect to plan assets held in the Equity Opportunities (MassMutual) separate account (SIA-YV).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Investment Management Fees of 0.83% with respect to plan assets held in the International Equity (MassMutual) separate account (SIA-YI).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Investment Management Fees of 0.80% with respect to plan assets held in the Small Cap Growth Eqty (MassMutual) separate account (SIA-YC).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual provided the plan with the required written disclosure for soft dollar compensation received by the subadviser with respect to Mid Cap Growth (MassMutual) separate account (SIA-YT).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual provided the plan with the required written disclosure for soft dollar compensation received by the subadviser with respect to Fundamental Value

Massachusetts Mutual Life Insurance Company	041590850	(MassMutual) separate account (SIA-YK). MassMutual provided the plan with the required written disclosure for soft dollar compensation received by the subadviser with respect to Disciplined Growth (MassMutual) separate account (SIA-JU).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual provided the plan with the required written disclosure for soft dollar compensation received by the subadviser with respect to Small Company Value (MassMutual) separate account (SIA-YY).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual provided the plan with the required written disclosure for soft dollar compensation received by the subadviser with respect to Equity Opportunities (MassMutual) separate account (SIA-YV).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual provided the plan with the required written disclosure for soft dollar compensation received by the subadviser with respect to International Equity (MassMutual) separate account (SIA-YI).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual provided the plan with the required written disclosure for soft dollar compensation received by the subadviser with respect to Small Cap Growth Eqty (MassMutual) separate account (SIA-YC).
MFS Investment Management	043158862	MFS Investment Management received estimated Investment Management Fees of 0.90% with respect to plan assets held in the Emerging Markets Equity (MFS) separate account (SIA-UA).
Natixis Funds	522257782	Natixis Funds received estimated Investment Management Fees of 0.57% with respect to plan assets held in the Strategic Income (Loomis Sayles) separate account (SIA-SL).
PIMCO Funds	952632339	PIMCO Funds received estimated Investment Management Fees of 0.50% with respect to plan assets held in the Income (PIMCO) separate account (SIA-JDV).
RidgeWorth	956981193	RidgeWorth received estimated Investment Management Fees of 0.69% with respect to plan assets held in the Ceredex Mid Cp Val Eq (Virtus) separate account (SIA-M8).

A Name of Plan Advanced Impact Technologies Group 401(k) Plan	B Three-digit plan Number 001
C Plan sponsor's name as shown on line 2a of Form 5500 Advanced Impact Technologies	D Employer Identification Number 813652561

Schedule H, line 4i - Schedule of Assets (Held At End of Year)

(a)	(b) Identity of issue, borrower, lessor, or similar party	(c) Description of investment including maturity date, rate of interest, collateral, par, or maturity value	(d) Cost	(e) Current Value
*	MassMutual	Guaranteed Interest Account	754,196	754,196
*	MassMutual	Ceredex Mid Cp Val Eq (Virtus)	116,904	187,681
*	MassMutual	Core Bond (MassMutual)	428,746	463,257
*	MassMutual	Disciplined Growth (MassMutual)	107,082	153,153
*	MassMutual	Emerging Markets Equity (MFS)	50,386	53,226
*	MassMutual	Equity Opportunities (MassMutual)	99,524	133,641
*	MassMutual	Fundamental Value (MassMutual)	156,952	230,516
*	MassMutual	High Yield (MassMutual)	196,605	232,541
*	MassMutual	Income (PIMCO)	152,491	159,957
*	MassMutual	International Equity (MassMutual)	53,238	66,903
*	MassMutual	Mid Cap Growth (MassMutual)	31,860	48,150
*	MassMutual	MM MSCI EAFE Intl Indx (Nrtm Tr)	110,256	130,967
*	MassMutual	MM Rsl 2000 SmCap Indx (Nrtm Tr)	66,059	82,883
*	MassMutual	MM S&P 500 Index (Northern Trust)	396,512	659,361
*	MassMutual	MM S&P Mid Cap Index (Nrtm Tr)	62,461	87,109
*	MassMutual	MM Sel T. Rowe Price Ret 2020	113,124	164,148
*	MassMutual	MM Sel T. Rowe Price Ret 2025	196,540	272,333
*	MassMutual	MM Sel T. Rowe Price Ret 2030	176,888	221,849
*	MassMutual	MM Sel T. Rowe Price Ret 2035	99,995	123,069
*	MassMutual	MM Sel T. Rowe Price Ret 2040	88,093	108,321
*	MassMutual	MM Sel T. Rowe Price Ret 2045	602,173	853,208
*	MassMutual	MM Sel T. Rowe Price Ret 2050	48,274	61,668
*	MassMutual	MM Sel T. Rowe Price Ret 2055	353,548	444,930
*	MassMutual	MM Sel T. Rowe Price Ret 2060	13,050	13,405
*	MassMutual	Real Estate (Invesco)	45,436	59,859
*	MassMutual	Small Cap Growth Eqty (MassMutual)	29,521	40,282
*	MassMutual	Small Company Value (MassMutual)	47,969	56,718
*	MassMutual	Strategic Income (Loomis Sayles)	232,972	271,660
*	MassMutual	Holding Account - US Govt Money Mar	0	11
*	MassMutual	US Govt Money Markt (MassMutual)	0	2,381
	Participant Loans	5.250000 - 7.500000	0	179,393