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

2018

This Form is Open to Public Inspection

Part I Annual Report Identification Information

For calendar plan year 2018 or fiscal plan year beginning 01/01/2018 and ending 12/31/2018

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.)
- [X] 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:
- [X] Form 5558
- [ ] automatic extension
- [ ] the DFVC program
- [ ] special extension (enter description)

Part II Basic Plan Information—enter all requested information

1a Name of plan
MECHANICAL DYNAMICS & ANALYSIS LLC 401(K) PLAN

1b Three-digit plan number (PN) ▶ 001

1c Effective date of plan 01/01/1987

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)
MECHANICAL DYNAMICS & ANALYSIS, LTD.

19 BRITISH AMERICAN BOULEVARD
LATHAM, NY 12110

2b Employer Identification Number (EIN)
20-3400458

2c Plan Sponsor's telephone number
518-399-3616

2d Business code (see instructions)
541330

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.	10/09/2019	JEANNINE PARKES
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
SIGN HERE			
	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

3a Plan administrator's name and address [X] Same as Plan Sponsor

3b Administrator's EIN

3c Administrator's telephone number

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 MECHANICAL DYNAMICS & ANALYSIS, LTD.

c Plan Name

4b EIN 20-3400458

4d PN 001

5 Total number of participants at the beginning of the plan year	**5**	424
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)**	364
a(2) Total number of active participants at the end of the plan year	**6a(2)**	385
b Retired or separated participants receiving benefits	**6b**	4
c Other retired or separated participants entitled to future benefits	**6c**	66
d Subtotal. Add lines **6a(2)**, **6b**, and **6c**	**6d**	455
e Deceased participants whose beneficiaries are receiving or are entitled to receive benefits.	**6e**	1
f Total. Add lines **6d** and **6e**.	**6f**	456
g Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item)	**6g**	428
h Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested	**6h**	14
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 2R 2S 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)** [X] 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)** [X] 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)** [X] **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)** [X] **H** (Financial Information)
- **(2)** [ ] **I** (Financial Information – Small Plan)
- **(3)** [ ] ___ **A** (Insurance Information)
- **(4)** [X] **C** (Service Provider Information)
- **(5)** [X] **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 2018 Form M-1 annual report. If the plan was not required to file the 2018 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 C (Form 5500)	Service Provider Information	OMB No. 1210-0110
Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	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.**	**2018** **This Form is Open to Public Inspection.**

For calendar plan year 2018 or fiscal plan year beginning 01/01/2018 and ending 12/31/2018

A Name of plan
MECHANICAL DYNAMICS & ANALYSIS LLC 401(K) PLAN

B Three-digit plan number (PN) ▶ 001

C Plan sponsor's name as shown on line 2a of Form 5500
MECHANICAL DYNAMICS & ANALYSIS, LTD.

D Employer Identification Number (EIN)
20-3400458

Part I Service Provider Information (see instructions)

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). . . . . [X] 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

FIDELITY INVESTMENTS INSTITUTIONAL

04-2647786

(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)

STRATEGIC ADVISORS, INC.

04-2654524

(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?
27	ADVISOR	23423	Yes [ ] No [X]	Yes [ ] No [ ]		Yes [ ] No [ ]

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

FIDELITY INVESTMENTS INSTITUTIONAL

04-2647786

(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?
37 60 64 65 71	RECORDKEEPER	-8304	Yes [X] No [ ]	Yes [X] No [ ]	0	Yes [X] 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
FIDELITY INVESTMENTS INSTITUTIONAL	60	0

(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.
LOOMIS SAYLES BOND RETAIL SHARES 399 BOYLSTON STREET 8TH FL BOSTON, MA 02116	0.35%

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
FIDELITY INVESTMENTS INSTITUTIONAL	60	0

(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.
BAIRD CORE PLUS BOND FD INVESTOR C 777 E. WISCONSIN AVE 18TH FL MILWAUKEE, WI 53202	0.28%

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
FIDELITY INVESTMENTS INSTITUTIONAL	60	0

(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.
FMI INTERNATIONAL 777 EAST WISCONSIN AVENUE MK WI T4M MILWAUKEE, WI 53202	0.40%

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
FIDELITY INVESTMENTS INSTITUTIONAL	60	0

(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.
NEUBERGER BERMAN HIGH INC BD IVT	1290 AVENUE OF THE AMERICAS 22ND FL NEW YORK, NY 10104-0002	$16.00

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
FIDELITY INVESTMENTS INSTITUTIONAL	60	0

(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.
ARTISAN MID CAP VALUE	875 EAST WISCONSIN AVENUE SUITE 800 MILWAUKEE, WI 53202	0.39%

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
FIDELITY INVESTMENTS INSTITUTIONAL	60	0

(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.
DOUBLELINE TOTAL RT BOND FD CL N	777 EAST WISCONSIN AVENUE MILWAUKEE, WI 53202	0.40%

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
FIDELITY INVESTMENTS INSTITUTIONAL	60	0

(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.
FMI LARGE CAP FUND 777 EAST WISCONSIN AVENUE MK WI T4M MILWAUKEE, WI 53202	0.40%

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
FIDELITY INVESTMENTS INSTITUTIONAL	60	0

(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.
OAKMARK INTL INVESTOR CL 111 SOUTH WACKER DR. CHICAGO, IL 60606	0.35%

(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)

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

2018

This Form is Open to Public Inspection.

For calendar plan year 2018 or fiscal plan year beginning 01/01/2018 and ending 12/31/2018

A Name of plan
MECHANICAL DYNAMICS & ANALYSIS LLC 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
MECHANICAL DYNAMICS & ANALYSIS, LTD.

D Employer Identification Number (EIN)
20-3400458

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: MIP CL 1

b Name of sponsor of entity listed in (a): FIDELITY MANAGEMENT TRUST COMPANY

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)
04-3022712-024	C	1719921

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)

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 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 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

2018

This Form is Open to Public Inspection

For calendar plan year 2018 or fiscal plan year beginning 01/01/2018 and ending 12/31/2018

A Name of plan
MECHANICAL DYNAMICS & ANALYSIS LLC 401(K) PLAN

B Three-digit plan number (PN) ▶ 001

C Plan sponsor's name as shown on line 2a of Form 5500
MECHANICAL DYNAMICS & ANALYSIS, LTD.

D Employer Identification Number (EIN)
20-3400458

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	0	0
b Receivables (less allowance for doubtful accounts):			
(1) Employer contributions	1b(1)	0	0
(2) Participant contributions	1b(2)	0	0
(3) Other	1b(3)	0	0
c General investments:			
(1) Interest-bearing cash (include money market accounts & certificates of deposit)	1c(1)	1455250	3167161
(2) U.S. Government securities	1c(2)	0	0
(3) Corporate debt instruments (other than employer securities):			
(A) Preferred	1c(3)(A)	0	0
(B) All other	1c(3)(B)	0	0
(4) Corporate stocks (other than employer securities):			
(A) Preferred	1c(4)(A)	75126	0
(B) Common	1c(4)(B)	1036171	913797
(5) Partnership/joint venture interests	1c(5)	0	0
(6) Real estate (other than employer real property)	1c(6)	0	0
(7) Loans (other than to participants)	1c(7)	0	0
(8) Participant loans	1c(8)	758415	700727
(9) Value of interest in common/collective trusts	1c(9)	801689	1719921
(10) Value of interest in pooled separate accounts	1c(10)	0	0
(11) Value of interest in master trust investment accounts	1c(11)	0	0
(12) Value of interest in 103-12 investment entities	1c(12)	0	0
(13) Value of interest in registered investment companies (e.g., mutual funds)	1c(13)	49457744	45296514
(14) Value of funds held in insurance company general account (unallocated contracts)	1c(14)		
(15) Other	1c(15)	0	0

			(a) Beginning of Year	(b) End of Year
1d	Employer-related investments:			
	(1) Employer securities	1d(1)	0	0
	(2) Employer real property	1d(2)	0	0
e	Buildings and other property used in plan operation	1e	0	0
f	Total assets (add all amounts in lines 1a through 1e)	1f	53584395	51798120
	Liabilities			
g	Benefit claims payable	1g	0	0
h	Operating payables	1h	0	0
i	Acquisition indebtedness	1i	0	0
j	Other liabilities	1j	0	0
k	Total liabilities (add all amounts in lines 1g through1j)	1k	0	0
	Net Assets			
l	Net assets (subtract line 1k from line 1f)	1l	53584395	51798120

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)	1291270	
	(B) Participants	2a(1)(B)	3856895	
	(C) Others (including rollovers)	2a(1)(C)	437055	
	(2) Noncash contributions	2a(2)	0	
	(3) Total contributions. Add lines **2a(1)(A), (B), (C),** and line **2a(2)**	2a(3)		5585220
b	**Earnings on investments:**			
	(1) Interest:			
	(A) Interest-bearing cash (including money market accounts and certificates of deposit)	2b(1)(A)	31832	
	(B) U.S. Government securities	2b(1)(B)	0	
	(C) Corporate debt instruments	2b(1)(C)	0	
	(D) Loans (other than to participants)	2b(1)(D)	0	
	(E) Participant loans	2b(1)(E)	24771	
	(F) Other	2b(1)(F)	0	
	(G) Total interest. Add lines **2b(1)(A)** through **(F)**	2b(1)(G)		56603
	(2) Dividends: **(A)** Preferred stock	2b(2)(A)	656	
	(B) Common stock	2b(2)(B)	19333	
	(C) Registered investment company shares (e.g. mutual funds)	2b(2)(C)	2722737	
	(D) Total dividends. Add lines **2b(2)(A)**, **(B)**, and **(C)**	2b(2)(D)		2742726
	(3) Rents	2b(3)		0
	(4) Net gain (loss) on sale of assets: **(A)** Aggregate proceeds	2b(4)(A)	1318911	
	(B) Aggregate carrying amount (see instructions)	2b(4)(B)	1300741	
	(C) Subtract line **2b(4)(B)** from line **2b(4)(A)** and enter result	2b(4)(C)		18170
	(5) Unrealized appreciation (depreciation) of assets: **(A)** Real estate	2b(5)(A)	0	
	(B) Other	2b(5)(B)	-120229	
	(C) Total unrealized appreciation of assets. Add lines **2b(5)(A)** and **(B)**	2b(5)(C)		-120229

		(a) Amount	(b) Total
(6) Net investment gain (loss) from common/collective trusts	2b(6)		2681
(7) Net investment gain (loss) from pooled separate accounts	2b(7)		0
(8) Net investment gain (loss) from master trust investment accounts	2b(8)		0
(9) Net investment gain (loss) from 103-12 investment entities	2b(9)		0
(10) Net investment gain (loss) from registered investment companies (e.g., mutual funds)	2b(10)		-6009469
c Other income	2c		0
d Total income. Add all **income** amounts in column (b) and enter total	2d		2275702
Expenses			
e Benefit payment and payments to provide benefits:			
(1) Directly to participants or beneficiaries, including direct rollovers	2e(1)	4068286	
(2) To insurance carriers for the provision of benefits	2e(2)	0	
(3) Other	2e(3)	0	
(4) Total benefit payments. Add lines **2e(1)** through **(3)**	2e(4)		4068286
f Corrective distributions (see instructions)	2f		302
g Certain deemed distributions of participant loans (see instructions)	2g		-23213
h Interest expense	2h		0
i Administrative expenses: (1) Professional fees	2i(1)	0	
(2) Contract administrator fees	2i(2)	0	
(3) Investment advisory and management fees	2i(3)	23423	
(4) Other	2i(4)	-6821	
(5) Total administrative expenses. Add lines **2i(1)** through **(4)**	2i(5)		16602
j Total expenses. Add all **expense** amounts in column (b) and enter total	2j		4061977
Net Income and Reconciliation			
k Net income (loss). Subtract line **2j** from line **2d**	2k		-1786275
l Transfers of assets:			
(1) To this plan	2l(1)		0
(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) [ ] Unqualified **(2)** [ ] Qualified **(3)** [X] Disclaimer **(4)** [ ] Adverse

b Did the accountant perform a limited scope audit pursuant to 29 CFR 2520.103-8 and/or 103-12(d)? [X] Yes [ ] No

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

(1) Name: TEAL BECKER & CHIARAMONTE CPAS, P.C **(2)** EIN: 14-1622493

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.)	4a		X	
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	

			Yes	No	Amount
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?	4e	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?	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?	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?	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.)	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.)	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?	4k		X	
l	Has the plan failed to provide any benefit when due under the plan?	4l		X	
m	If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.)	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		X	

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 If the plan is a defined benefit plan, is it covered under the PBGC insurance program (See ERISA section 4021.)? ..... ☐ Yes ☐ No ☐ Not determined
If "Yes" is checked, enter the My PAA confirmation number from the PBGC premium filing for this plan year_____. (See instructions.)

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

2018

This Form is Open to Public Inspection.

For calendar plan year 2018 or fiscal plan year beginning 01/01/2018 and ending 12/31/2018

A Name of plan
MECHANICAL DYNAMICS & ANALYSIS LLC 401(K) PLAN

B Three-digit plan number (PN) ▶ 001

C Plan sponsor's name as shown on line 2a of Form 5500
MECHANICAL DYNAMICS & ANALYSIS, LTD.

D Employer Identification Number (EIN)
20-3400458

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**

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): 04-6568107

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**

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 participants on whose behalf no contributions were made by an employer as an employer of the participant for:

a The current year	**14a**	
b The plan year immediately preceding the current plan year	**14b**	
c The second preceding plan year	**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):

October 8, 2019

To The 401(k) Plan Committee Of
Mechanical Dynamics & Analysis, LLC 401(k) Plan
19 British American Blvd.
Latham, New York 12110

We were engaged to audit the financial statements of Mechanical Dynamics & Analysis, LLC 401(k) Plan (the Plan) for the year ended December 31, 2018. In connection with planning and performing our engagement, we developed the following recommendations concerning certain matters related to the Plan's internal control and certain observations and recommendations on other matters. In our report dated October 8, 2019, we disclaimed an opinion on the Plan's 2018 financial statements because of the election by the Plan Administrator to limit the scope of our audit with respect to information which was certified by the Trustee of the Plan, as permitted by Regulation 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, as amended. Had the scope of our audit not been limited as described above, other matters might have come to our attention that would have been reported to you. During our audit engagement, the following matters came to our attention that we believe merit your consideration.

Eligibility

During our testing of newly eligible participants for the year ended December 31, 2018, we noted one instance where no employer matching contribution was made for a participant that was eligible to receive one. During discussions with Plan Management, we recommended that Plan Management fund the matching contribution and they noted that it is their intent to do so.

Forfeitures

Per the Plan document, forfeitures may be used to reinstate previously forfeited account balances of former participants, if any, applied to reduce employer contributions, or pay plan expenses. At December 31, 2018, the Plan had $35,104 in forfeitures compared to $25,522 at December 31, 2017. For the years ended December 31, 2018 and 2017, forfeitures, which include earnings, were used to pay plan expenses in the amounts of $2,644 and $8,275, and were used to reduce employer contributions in the amounts of $47,824 and $25,273, respectively. The Plan should continue to monitor and use forfeiture balances in accordance with the Plan document.

Documentation

During our audit, we encountered difficulty in obtaining various payroll reports and an accurate census. We recommend that procedures be implemented to ensure all supporting documentation is maintained in order to facilitate a more timely audit.

Other

We have included a footnote disclosure in the financial statements for the year ended December 31, 2018 stating that the Plan is currently involved in an Internal Revenue Service audit for the 2016 plan year. The results of this have yet to be determined.

We would like to take this opportunity to thank you and your staff for your cooperation and patience during our audit. We would also like to thank you for allowing us the opportunity to provide these services. Should you have any questions regarding the above comments and recommendations, we will be available at your convenience to discuss them.

This report is intended solely for the information and use of the 401(k) Plan Committee, management, and others within the Plan, and is not intended to be and should not be used by anyone other than these specified parties.

Very truly yours,

TEAL, BECKER & CHIARAMONTE, CPAS, P.C.

Teal Becker & Chiaramonte CPAs PC

1230/Mgtltr

MECHANICAL DYNAMICS & ANALYSIS, LLC 401(K) PLAN

DECEMBER 31, 2018 AND 2017

FINANCIAL STATEMENTS
TO BE ATTACHED TO
ORIGINAL TAX RETURN
FORM 5500
AS PER DOL REGULATIONS

PREPARED
FOR YOUR FILES

TEAL, BECKER & CHIARAMONTE, CPAs, P.C.

MECHANICAL DYNAMICS & ANALYSIS, LLC 401(K) PLAN

FINANCIAL STATEMENTS

DECEMBER 31, 2018 AND 2017



Teal, Becker & Chiaramonte™
CERTIFIED PUBLIC ACCOUNTANTS & ADVISORS

A Higher Standard of Excellence

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SUPPLEMENTARY INFORMATION	**Schedule Number**
Schedule H, Line 4i - Schedule Of Assets (Held At End Of Year)	I

To The 401(k) Plan Committee Of
Mechanical Dynamics & Analysis, LLC 401(k) Plan
Latham, New York

Independent Auditors' Report

Report on the Financial Statements

We were engaged to audit the accompanying financial statements of Mechanical Dynamics & Analysis, LLC 401(k) Plan (the Plan), which comprise the statements of net assets available for benefits as of December 31, 2018 and 2017, and the related statements of changes in net assets available for benefits for the years then ended, and the related notes to the financial statements.

Management's Responsibility for the 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; this includes 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.

Auditors' Responsibility

Our responsibility is to express an opinion on these financial statements based on conducting the audits in accordance with auditing standards generally accepted in the United States of America. Because of the matter described in the *Basis for Disclaimer of Opinion* paragraph, however, we were not able to obtain sufficient appropriate audit evidence to provide a basis for an audit opinion.

Basis for Disclaimer of Opinion

As permitted by 29 CFR 2520.103-8 of the Department of Labor's (DOL) Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974 (ERISA), the Plan Administrator instructed us not to perform, and we did not perform, any auditing procedures with respect to the information summarized in Notes 3 and 4, which was certified by Fidelity Management Trust Company, the Trustee of the Plan, except for comparing such information with the related information included in the financial statements. We have been informed by the Plan Administrator that the Trustee holds the Plan's investment assets and executes investment transactions. The Plan Administrator has obtained a certification from the Trustee as of and for the years ended December 31, 2018 and 2017, that the information provided to the Plan Administrator by the Trustee is complete and accurate.

Disclaimer of Opinion

Because of the significance of the matter described in the *Basis for Disclaimer of Opinion* paragraph, we have not been able to obtain sufficient appropriate audit evidence to provide a basis for an audit opinion. Accordingly, we do not express an opinion on these financial statements.

Other Matter

The supplementary Schedule H, Line 4i - Schedule of Assets (Held at End of Year) as of December 31, 2018, is required by the DOL's Rules and Regulations for Reporting and Disclosure under ERISA and is presented for the purpose of additional analysis and is not a required part of the financial statements. Because of the significance of the matter described in the *Basis for Disclaimer of Opinion* paragraph, we do not express an opinion on the supplementary schedule.

Report on Form and Content in Compliance with DOL Rules and Regulations

The form and content of the information included in the financial statements and supplementary schedule, other than that derived from the information certified by the Trustee, have been audited by us in accordance with auditing standards generally accepted in the United States of America and, in our opinion, are presented in compliance with the DOL's Rules and Regulations for Reporting and Disclosure under ERISA.



Albany, New York
October 8, 2019

MECHANICAL DYNAMICS & ANALYSIS, LLC 401(K) PLAN

Statements Of Net Assets Available For Benefits

December 31

	2018	2017
Assets:		
Investments at fair value (Notes 3 and 4)	$ 51,115,878	$ 52,828,515
Receivables:		
Employer contributions	1,324,844	1,291,270
Notes receivable from participants	751,448	835,744
Participants' contributions	-	78,079
Total receivables	2,076,292	2,205,093
Net Assets Available For Benefits	$ 53,192,170	$ 55,033,608

See independent auditors' report
The accompanying notes are an integral part of these financial statements

MECHANICAL DYNAMICS & ANALYSIS, LLC 401(K) PLAN

Statements Of Changes In Net Assets Available For Benefits

For The Years Ended December 31

	2018	2017
Additions to net assets attributed to:		
Investment income (loss):		
Dividends and interest	$ 2,753,703	$ 2,157,240
Net appreciation (depreciation) in fair value of investments	(6,045,024)	6,319,596
Total investment income (loss)	(3,291,321)	8,476,836
Contributions:		
Participants	3,778,816	3,439,986
Employer	1,324,844	1,261,357
Rollover	437,055	724,489
Total contributions	5,540,715	5,425,832
Total additions to net assets	2,249,394	13,902,668
Deductions from net assets attributed to:		
Benefit payments	4,074,230	4,730,380
Administrative expenses	16,602	29,204
Total deductions from net assets	4,090,832	4,759,584
Net increase (decrease) in net assets available for benefits	(1,841,438)	9,143,084
Net assets available for benefits - beginning	55,033,608	45,890,524
Net Assets Available For Benefits - Ending	$ 53,192,170	$ 55,033,608

See independent auditors' report
The accompanying notes are an integral part of these financial statements

Note 1: Description Of Plan

The following description of Mechanical Dynamics & Analysis, LLC 401(k) Plan (the Plan) provides only general information. Participants should refer to the Plan Agreement for a more complete description of the Plan's provisions.

General - The Plan is a defined contribution 401(k) plan covering all eligible employees of Mechanical Dynamics & Analysis, LLC (the Company), including three affiliated groups, who have six months of service and worked 1,000 hours. It is subject to the provisions of the Employee Retirement Income Security Act of 1974 (ERISA).

Contributions - Participants can contribute 100% of compensation subject to the maximum amount allowed by Internal Revenue Code limitations. Eligible employees who have attained age fifty before the close of the Plan year shall be eligible to make catch-up contributions in accordance with Internal Revenue Code provisions. Participants may also contribute amounts representing distributions from other qualified plans. The Company matches 50% of the eligible participants' contributions to the extent of 10% of each participant's compensation. In accordance with the provisions of the Plan, each participant has the right to direct the investment of the contributions and any rollover/transfers, if applicable, into the Plan. Investment options are offered through Fidelity Management Trust Company. The Plan also offers a self-directed brokerage arrangement through Fidelity Management Trust Company.

Participant accounts - Each participant's account is credited or charged, as applicable, with the participant's contribution, allocations of the Company's contributions, transfers, earnings (losses), payments, forfeitures, withdrawals, or other distributions made to or from such accounts during the period. Allocations are based on participant earnings or account balances in accordance with terms of the Plan. The benefit to which a participant is entitled is the benefit that can be provided from the participant's vested account.

Vesting - Participants are immediately vested in their voluntary contributions plus actual earnings thereon. A participant's vested interest in the employer contribution account of the Plan is based on years of continuing service as defined in the Plan document. A participant is 100% vested after 6 years of credited service.

Payment of benefits - On termination of service or separation of service, due to death, disability, or retirement, a participant or their beneficiary will be entitled to receive a distribution of their total vested account balance. Benefits will be paid in accordance with the terms of the Plan.

Note 1: Description Of Plan (Continued)

Plan termination - Although it has not expressed any intention to do so, the Company has the right under the Plan to discontinue its contributions at any time and to terminate the Plan subject to the provisions set forth in ERISA. In the event the Plan terminates, each participant's account will become fully vested and be distributed in accordance with the Plan Agreement.

Participant loans - Participants may borrow from their 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 and are made in accordance with the terms of the Plan.

Forfeitures - At December 31, 2018 and 2017, forfeited non-vested accounts amounted to $35,104 and $25,522, respectively. Forfeitures may be used to reinstate previously forfeited account balances of former participants, if any, or applied to reduce employer contributions or pay plan expenses. For the years ended December 31, 2018 and 2017, forfeitures, which include earnings, were used to pay plan expenses in the amounts of $2,644 and $8,275, and were used to reduce employer contributions in the amounts of $47,824 and $25,273, respectively.

Note 2: Summary Of Significant Accounting Policies

Investment valuation - Accounting principles generally accepted in the United States of America establish a fair value hierarchy that prioritizes the inputs to valuation techniques used to measure fair value. This hierarchy consists of three broad levels: Level 1 inputs consist of unadjusted quoted prices in active markets for identical assets and have the highest priority, and Level 3 inputs have the lowest priority. The Plan uses appropriate valuation techniques based on the available inputs to measure the fair value of its investments. When available, the Plan measures fair value using Level 1 inputs because they generally provide the most reliable evidence of fair value. Level 3 inputs are used only when Level 1 or Level 2 inputs are not available. The three levels of the fair value hierarchy in accordance with accounting principles generally accepted in the United States of America are described below:

(a) Level 1: Unadjusted quoted prices in active markets for identical, unrestricted assets, or liabilities that the Plan has the ability to access at the measurement date;

(b) Level 2: Quoted prices which are not active, quoted prices for similar assets or liabilities in active markets, or inputs other than quoted prices that are observable (either directly or indirectly) for substantially the full term of the asset or liability; and

(c) Level 3: Significant unobservable prices or inputs (including the Plan's own assumptions in determining the fair value of investments) where there is little or no market activity for the asset or liability at the measurement date.

Note 2: Summary Of Significant Accounting Policies (Continued)

The asset's 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 used need to maximize the use of observable inputs and minimize the use of unobservable inputs.

Dividend income is recorded when earned based on the ex-dividend date. Interest income is recorded when earned on the accrual basis. Purchases and sales of securities are reflected on a trade date basis. Gains or losses on sales of securities are based on the actual cost of the securities sold.

Income taxes - The Plan is exempt from federal income tax under the Internal Revenue Code. Tax positions are evaluated and recognized in the financial statements when it is more-likely-than-not the position will be sustained upon examination by the tax authorities.

The Plan has adopted a prototype plan through Fidelity Management Trust Company which has an opinion letter dated March 31, 2014, in which the Internal Revenue Service stated that the Plan, as then designed, was in compliance with the applicable requirements of the Internal Revenue Code. The Plan has been amended since receiving the determination letter. However, the Plan Administrator believes that the Plan is designed and is being operated in compliance with the applicable provisions of the Internal Revenue Code. Therefore, they believe that the Plan was qualified and the related trust was tax-exempt as of the financial statement date.

Notes receivable from participants - Loans to participants are reported at their unpaid principal balances plus any accrued but unpaid interest.

Estimates - The preparation of financial statements in accordance with accounting principles generally accepted in the United States of America requires Plan management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosures of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the reporting period. The application of these accounting principles involves the exercise of judgment and use of assumptions as to future uncertainties and, as a result, actual results could differ from these estimates. The Plan periodically evaluates estimates and assumptions used in the preparation of the financial statements and makes changes on a prospective basis when adjustments are necessary.

Presentation - Certain reclassifications, when applicable, are made to the prior year financial statement presentation to correspond to the current year's format. Reclassifications, when made, have no effect on net assets available for benefits or changes in net assets available for benefits.

Note 3: Investments And Notes Receivable

The statements of net assets available for benefits, the investment activities included in the statements of changes in net assets available for benefits for the years ended December 31, 2018 and 2017, and the accompanying notes to the financial statements (other than the assignment of levels) were prepared in part or entirely from information certified by Fidelity Management Trust Company in accordance with 29 CFR 2520.103-5 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974. The information certified includes total investments and notes receivable from participants of $51,867,326 and $53,664,259, at December 31, 2018 and 2017, respectively, and related investment income (loss) of $(3,291,321) and $8,476,836 for the years ended December 31, 2018 and 2017, respectively.

Note 4: Fair Value Measurements

The following is a description of the valuation methodologies used for assets at fair value at December 31, 2018 and 2017:

Mutual funds and Brokerage link: Valued at quoted market prices.

Commingled fund: Valued at the net asset value (NAV) per share/unit reported at the close of business every day. Shares/units in a commingled fund can be redeemed daily on demand. The NAV is used as a practical expedient to estimate fair value. The objective of the Fund is to provide preservation of capital and relatively stable returns.

The preceding methods may produce fair value calculations that may not be indicative of net realizable value or reflective of future fair values. Furthermore, although the Plan believes its valuation methods are appropriate and consistent with other market participants, the use of different methodologies or assumptions to determine the fair value of certain financial instruments could result in different fair value measurements at the reporting date.

Note 4: Fair Value Measurements (Continued)

Fair Value Measurements At Reporting Date Using:

	Quoted Prices In Active Markets For Identical Assets (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)	Total Fair Value
December 31, 2018				
Mutual funds	$ 47,156,243	$ -	$ -	$ 47,156,243
Brokerage link	2,221,261	-	-	2,221,261
Total Investments In Fair Value Hierarchy	$ 49,377,504	$ -	$ -	49,377,504
Investments measured at net asset value:				
Commingled fund				1,738,374
Total Investments At Fair Value				$ 51,115,878
December 31, 2017				
Mutual funds	$ 48,781,543	$ -	$ -	$ 48,781,543
Brokerage link	3,242,993	-	-	3,242,993
Total Investments In Fair Value Hierarchy	$ 52,024,536	$ -	$ -	52,024,536
Investments measured at net asset value:				
Commingled fund				803,979
Total Investments At Fair Value				$ 52,828,515

Note 4: Fair Value Measurements (Continued)

In accordance with accounting principles generally accepted in the United States of America, 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 the table are intended to permit the reconciliation of the fair value hierarchy to the line items presented in the statement of net assets available for benefits.

Note 5: Related Party Transactions

Fees for certain administrative expenses may be paid by the Company.

Certain Plan investments are managed by Fidelity Management Trust Company as denoted on the supplementary Schedule H, Line 4i - Schedule of Assets (Held at End of Year). Fidelity Management Trust Company is the Trustee and record-keeper for the Plan and, therefore, these transactions qualify as party-in-interest transactions. Fees paid by the Plan for investment management services were included as a reduction of the return earned on each fund.

Note 6: Reconciliation Of Financial Statements To Form 5500

The following is a reconciliation of the net assets available for benefits per the financial statements to Form 5500 for the years ended December 31:

	2018	2017
Net assets available for benefits per the financial statements	$ 53,192,170	$ 55,033,608
Adjustment for Fidelity Managed Income Portfolio	(18,453)	(2,290)
Adjustment for deemed distributions of participant loans	(50,721)	(77,329)
Adjustment for contributions receivable	(1,324,876)	(1,369,594)
Net Assets Available For Benefits Per Schedule H Of Form 5500	$ 51,798,120	$ 53,584,395

Note 6: Reconciliation Of Financial Statements To Form 5500 (Continued)

The following is a reconciliation of the increase (decrease) in net assets available for benefits per the financial statements to Form 5500 for the years ended December 31:

	2018	2017
Net increase (decrease) in net assets available for benefits per the financial statements	$ (1,841,438)	$ 9,143,084
Adjustment for contributions receivable	44,505	(106,560)
Deemed distributions	28,855	(30,178)
Excess contributions refunded	-	(22,822)
Adjustment for Fidelity Managed Income Portfolio	(18,197)	(6,973)
Net Increase (Decrease) Per Schedule H Of Form 5500	$ (1,786,275)	$ 8,976,551

Note 7: 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 statements of net assets available for benefits.

Note 8: Commitments And Contingencies

The Plan follows the guidance for uncertainty in income taxes. As of December 31, 2018, the Plan believes that it has appropriate support for the income tax positions taken and to be taken based on an assessment of many factors including experience and interpretations of tax laws applied to the facts of each matter. The Plan has concluded that there are no significant uncertain tax positions requiring disclosure, and there are no material amounts of unrecognized tax benefits.

The Plan is currently involved in an Internal Revenue Service audit for the 2016 plan year. The results of this have yet to be determined.

Note 9: Subsequent Events

Subsequent events have been evaluated through October 8, 2019 which is the date the financial statements were available to be issued.

SUPPLEMENTARY INFORMATION

Schedule I

MECHANICAL DYNAMICS & ANALYSIS, LLC 401(K) PLAN

Schedule H, Line 4i - Schedule Of Assets (Held At End Of Year)

December 31, 2018

E.I.N. 20-3400458
PLAN #001

(a)	(b)	(c)	(e)
	IDENTITY OF ISSUE, BORROWER, LESSOR, OR SIMILAR PARTY	**DESCRIPTION OF INVESTMENT INCLUDING MATURITY DATE, RATE OF INTEREST, COLLATERAL, PAR, OR MATURITY VALUE**	**CURRENT VALUE**
*	FIDELITY FREEDOM K 2020 FUND	324946.139 UNITS	$ 4,760,492
*	FIDELITY 500 INDEX PR	47871.878 UNITS	4,169,641
*	FIDELITY FREEDOM K 2030 FUND	253830.395 UNITS	3,974,984
*	FIDELITY GOVERNMENT MONEY MARKET	2907139.31 UNITS	2,907,139
*	FIDELITY BLUE CHIP GROWTH K FUND	255225.641 UNITS	2,830,452
*	FIDELITY FREEDOM K 2040 FUND	286646.924 UNITS	2,591,288
*	FIDELITY FREEDOM K 2025 FUND	201297.252 UNITS	2,562,514
*	FIDELITY CONTRA K FUND	222779.322 UNITS	2,468,395
	OAKMARK INST	31539.593 UNITS	2,152,893
*	FIDELITY FREEDOM 2035 FUND	159134.227 UNITS	2,065,562
*	FIDELITY GROWTH COMPANY K FUND	114758.507 UNITS	1,839,579
*	FIDELITY MANAGED INCOME PORTFOLIO	1738374.06 UNITS	1,738,374
*	FIDELITY LOW PRICED STOCK K FUND	136243.128 UNITS	1,350,169
*	FIDELITY FREEDOM K 2045 FUND	130111.965 UNITS	1,333,648
*	FIDELITY DIVERSED INTERNATIONAL K FUND	115207.654 UNITS	1,044,933
*	FIDELITY US BOND IDX PR	88486.959 UNITS	998,133
*	FIDELITY FREEDOM K 2015 FUND	84359.255 UNITS	997,126
	PIMCO TOTAL RETURN ADMINISTRATION FUND	93668.902 UNITS	930,132
	BROKERAGE LINK - COMMON STOCK		913,797
*	FIDELITY FREEDOM K 2050 FUND	80295.526 UNITS	828,650
*	FIDELITY MID CAP STOCK K FUND	25980.769 UNITS	792,154
	OAKMARK EQUITY & INCOME FUND	27812.1 UNITS	747,311
*	FIDELITY VALUE FUND	81200.477 UNITS	706,444
*	FIDELITY FREEDOM K 2055 FUND	55728.479 UNITS	654,252
	JPMORGAN U.S. SMALL COMPANY INST FUND	43946.371 UNITS	644,254
	BROKERAGE LINK - UNIT		607,336
	WFA SMALL COMPANY GROWTH FUND	12428.335 UNITS	591,216
	TEMPLETON FOREIGN FUND	69708.128 UNITS	456,588
*	FIDELITY EMERGING MARKETS K FUND	16445.305 UNITS	437,939
*	FIDELITY GOVT INCOME	38222.835 UNITS	384,522
	TEMPLETON GLOBAL BOND FUND	34020.968 UNITS	382,736
	PIMCO HIGH YIELD FUND	45324.118 UNITS	375,284
*	BROKERAGE LINK - FIDELITY FUND		370,400
	BROKERAGE LINK - CASH		260,022
*	FIDELITY EXTD MKT IDX	4536.463 UNITS	240,977

MECHANICAL DYNAMICS & ANALYSIS, LLC 401(K) PLAN

Schedule H, Line 4i - Schedule Of Assets (Held At End Of Year)

December 31, 2018

E.I.N. 20-3400458
PLAN #001

	(a)	(b)	(c)	(e)
		IDENTITY OF ISSUE, BORROWER, LESSOR, OR SIMILAR PARTY	**DESCRIPTION OF INVESTMENT INCLUDING MATURITY DATE, RATE OF INTEREST, COLLATERAL, PAR, OR MATURITY VALUE**	**CURRENT VALUE**
		PIMCO REAL RETURN INST	22568.777 UNITS	238,326
*		FIDELITY REAL ESTATE INVS	5892.198 UNITS	226,319
*		FIDELITY FREEDOM 2060 FUND	13409.291 UNITS	141,334
*		FIDELITY FREEDOM 2010 FUND	8671.577 UNITS	125,218
*		FIDELITY INTL INDEX	3304.948 UNITS	120,135
		BROKERAGE LINK - EXTERNAL FUND		69,706
*		FIDELITY FREEDOM INC FUND	4962.941 UNITS	54,443
*		FIDELITY FREEDOM 2005 FUND	2682.3 UNITS	31,061
		TOTAL INVESTMENTS		51,115,878
*		PARTICIPANT NOTES RECEIVABLE	4.25% - 6.25%	751,448
		TOTAL		$ 51,867,326

* PARTY-IN-INTEREST

MECHANICAL DYNAMICS & ANALYSIS, LLC 401(K) PLAN

DECEMBER 31, 2018 AND 2017

FINANCIAL STATEMENTS
TO BE ATTACHED TO
ORIGINAL TAX RETURN
FORM 5500
AS PER DOL REGULATIONS

PREPARED
FOR YOUR FILES

TEAL, BECKER & CHIARAMONTE, CPAs, P.C.

MECHANICAL DYNAMICS & ANALYSIS, LLC 401(K) PLAN

FINANCIAL STATEMENTS

DECEMBER 31, 2018 AND 2017



Teal, Becker & Chiaramonte™
CERTIFIED PUBLIC ACCOUNTANTS & ADVISORS

A Higher Standard of Excellence

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SUPPLEMENTARY INFORMATION	**Schedule Number**
Schedule H, Line 4i - Schedule Of Assets (Held At End Of Year)	I

To The 401(k) Plan Committee Of
Mechanical Dynamics & Analysis, LLC 401(k) Plan
Latham, New York

Independent Auditors' Report

Report on the Financial Statements

We were engaged to audit the accompanying financial statements of Mechanical Dynamics & Analysis, LLC 401(k) Plan (the Plan), which comprise the statements of net assets available for benefits as of December 31, 2018 and 2017, and the related statements of changes in net assets available for benefits for the years then ended, and the related notes to the financial statements.

Management's Responsibility for the 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; this includes 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.

Auditors' Responsibility

Our responsibility is to express an opinion on these financial statements based on conducting the audits in accordance with auditing standards generally accepted in the United States of America. Because of the matter described in the *Basis for Disclaimer of Opinion* paragraph, however, we were not able to obtain sufficient appropriate audit evidence to provide a basis for an audit opinion.

Basis for Disclaimer of Opinion

As permitted by 29 CFR 2520.103-8 of the Department of Labor's (DOL) Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974 (ERISA), the Plan Administrator instructed us not to perform, and we did not perform, any auditing procedures with respect to the information summarized in Notes 3 and 4, which was certified by Fidelity Management Trust Company, the Trustee of the Plan, except for comparing such information with the related information included in the financial statements. We have been informed by the Plan Administrator that the Trustee holds the Plan's investment assets and executes investment transactions. The Plan Administrator has obtained a certification from the Trustee as of and for the years ended December 31, 2018 and 2017, that the information provided to the Plan Administrator by the Trustee is complete and accurate.

Disclaimer of Opinion

Because of the significance of the matter described in the *Basis for Disclaimer of Opinion* paragraph, we have not been able to obtain sufficient appropriate audit evidence to provide a basis for an audit opinion. Accordingly, we do not express an opinion on these financial statements.

Other Matter

The supplementary Schedule H, Line 4i - Schedule of Assets (Held at End of Year) as of December 31, 2018, is required by the DOL's Rules and Regulations for Reporting and Disclosure under ERISA and is presented for the purpose of additional analysis and is not a required part of the financial statements. Because of the significance of the matter described in the *Basis for Disclaimer of Opinion* paragraph, we do not express an opinion on the supplementary schedule.

Report on Form and Content in Compliance with DOL Rules and Regulations

The form and content of the information included in the financial statements and supplementary schedule, other than that derived from the information certified by the Trustee, have been audited by us in accordance with auditing standards generally accepted in the United States of America and, in our opinion, are presented in compliance with the DOL's Rules and Regulations for Reporting and Disclosure under ERISA.



Albany, New York
October 8, 2019

MECHANICAL DYNAMICS & ANALYSIS, LLC 401(K) PLAN

Statements Of Net Assets Available For Benefits

December 31

	2018	2017
Assets:		
Investments at fair value (Notes 3 and 4)	$ 51,115,878	$ 52,828,515
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Employer contributions	1,324,844	1,291,270
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Net Assets Available For Benefits	$ 53,192,170	$ 55,033,608

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MECHANICAL DYNAMICS & ANALYSIS, LLC 401(K) PLAN

Statements Of Changes In Net Assets Available For Benefits

For The Years Ended December 31

	2018	2017
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Dividends and interest	$ 2,753,703	$ 2,157,240
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Participant accounts - Each participant's account is credited or charged, as applicable, with the participant's contribution, allocations of the Company's contributions, transfers, earnings (losses), payments, forfeitures, withdrawals, or other distributions made to or from such accounts during the period. Allocations are based on participant earnings or account balances in accordance with terms of the Plan. The benefit to which a participant is entitled is the benefit that can be provided from the participant's vested account.

Vesting - Participants are immediately vested in their voluntary contributions plus actual earnings thereon. A participant's vested interest in the employer contribution account of the Plan is based on years of continuing service as defined in the Plan document. A participant is 100% vested after 6 years of credited service.

Payment of benefits - On termination of service or separation of service, due to death, disability, or retirement, a participant or their beneficiary will be entitled to receive a distribution of their total vested account balance. Benefits will be paid in accordance with the terms of the Plan.

Note 1: Description Of Plan (Continued)

Plan termination - Although it has not expressed any intention to do so, the Company has the right under the Plan to discontinue its contributions at any time and to terminate the Plan subject to the provisions set forth in ERISA. In the event the Plan terminates, each participant's account will become fully vested and be distributed in accordance with the Plan Agreement.

Participant loans - Participants may borrow from their 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 and are made in accordance with the terms of the Plan.

Forfeitures - At December 31, 2018 and 2017, forfeited non-vested accounts amounted to $35,104 and $25,522, respectively. Forfeitures may be used to reinstate previously forfeited account balances of former participants, if any, or applied to reduce employer contributions or pay plan expenses. For the years ended December 31, 2018 and 2017, forfeitures, which include earnings, were used to pay plan expenses in the amounts of $2,644 and $8,275, and were used to reduce employer contributions in the amounts of $47,824 and $25,273, respectively.

Note 2: Summary Of Significant Accounting Policies

Investment valuation - Accounting principles generally accepted in the United States of America establish a fair value hierarchy that prioritizes the inputs to valuation techniques used to measure fair value. This hierarchy consists of three broad levels: Level 1 inputs consist of unadjusted quoted prices in active markets for identical assets and have the highest priority, and Level 3 inputs have the lowest priority. The Plan uses appropriate valuation techniques based on the available inputs to measure the fair value of its investments. When available, the Plan measures fair value using Level 1 inputs because they generally provide the most reliable evidence of fair value. Level 3 inputs are used only when Level 1 or Level 2 inputs are not available. The three levels of the fair value hierarchy in accordance with accounting principles generally accepted in the United States of America are described below:

(a) Level 1: Unadjusted quoted prices in active markets for identical, unrestricted assets, or liabilities that the Plan has the ability to access at the measurement date;

(b) Level 2: Quoted prices which are not active, quoted prices for similar assets or liabilities in active markets, or inputs other than quoted prices that are observable (either directly or indirectly) for substantially the full term of the asset or liability; and

(c) Level 3: Significant unobservable prices or inputs (including the Plan's own assumptions in determining the fair value of investments) where there is little or no market activity for the asset or liability at the measurement date.

Note 2: Summary Of Significant Accounting Policies (Continued)

The asset's 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 used need to maximize the use of observable inputs and minimize the use of unobservable inputs.

Dividend income is recorded when earned based on the ex-dividend date. Interest income is recorded when earned on the accrual basis. Purchases and sales of securities are reflected on a trade date basis. Gains or losses on sales of securities are based on the actual cost of the securities sold.

Income taxes - The Plan is exempt from federal income tax under the Internal Revenue Code. Tax positions are evaluated and recognized in the financial statements when it is more-likely-than-not the position will be sustained upon examination by the tax authorities.

The Plan has adopted a prototype plan through Fidelity Management Trust Company which has an opinion letter dated March 31, 2014, in which the Internal Revenue Service stated that the Plan, as then designed, was in compliance with the applicable requirements of the Internal Revenue Code. The Plan has been amended since receiving the determination letter. However, the Plan Administrator believes that the Plan is designed and is being operated in compliance with the applicable provisions of the Internal Revenue Code. Therefore, they believe that the Plan was qualified and the related trust was tax-exempt as of the financial statement date.

Notes receivable from participants - Loans to participants are reported at their unpaid principal balances plus any accrued but unpaid interest.

Estimates - The preparation of financial statements in accordance with accounting principles generally accepted in the United States of America requires Plan management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosures of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the reporting period. The application of these accounting principles involves the exercise of judgment and use of assumptions as to future uncertainties and, as a result, actual results could differ from these estimates. The Plan periodically evaluates estimates and assumptions used in the preparation of the financial statements and makes changes on a prospective basis when adjustments are necessary.

Presentation - Certain reclassifications, when applicable, are made to the prior year financial statement presentation to correspond to the current year's format. Reclassifications, when made, have no effect on net assets available for benefits or changes in net assets available for benefits.

Note 3: Investments And Notes Receivable

The statements of net assets available for benefits, the investment activities included in the statements of changes in net assets available for benefits for the years ended December 31, 2018 and 2017, and the accompanying notes to the financial statements (other than the assignment of levels) were prepared in part or entirely from information certified by Fidelity Management Trust Company in accordance with 29 CFR 2520.103-5 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974. The information certified includes total investments and notes receivable from participants of $51,867,326 and $53,664,259, at December 31, 2018 and 2017, respectively, and related investment income (loss) of $(3,291,321) and $8,476,836 for the years ended December 31, 2018 and 2017, respectively.

Note 4: Fair Value Measurements

The following is a description of the valuation methodologies used for assets at fair value at December 31, 2018 and 2017:

Mutual funds and Brokerage link: Valued at quoted market prices.

Commingled fund: Valued at the net asset value (NAV) per share/unit reported at the close of business every day. Shares/units in a commingled fund can be redeemed daily on demand. The NAV is used as a practical expedient to estimate fair value. The objective of the Fund is to provide preservation of capital and relatively stable returns.

The preceding methods may produce fair value calculations that may not be indicative of net realizable value or reflective of future fair values. Furthermore, although the Plan believes its valuation methods are appropriate and consistent with other market participants, the use of different methodologies or assumptions to determine the fair value of certain financial instruments could result in different fair value measurements at the reporting date.

Note 4: Fair Value Measurements (Continued)

Fair Value Measurements At Reporting Date Using:

	Quoted Prices In Active Markets For Identical Assets (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)	Total Fair Value
December 31, 2018				
Mutual funds	$ 47,156,243	$ -	$ -	$ 47,156,243
Brokerage link	2,221,261	-	-	2,221,261
Total Investments In Fair Value Hierarchy	$ 49,377,504	$ -	$ -	49,377,504
Investments measured at net asset value:				
Commingled fund				1,738,374
Total Investments At Fair Value				$ 51,115,878
December 31, 2017				
Mutual funds	$ 48,781,543	$ -	$ -	$ 48,781,543
Brokerage link	3,242,993	-	-	3,242,993
Total Investments In Fair Value Hierarchy	$ 52,024,536	$ -	$ -	52,024,536
Investments measured at net asset value:				
Commingled fund				803,979
Total Investments At Fair Value				$ 52,828,515

Note 4: Fair Value Measurements (Continued)

In accordance with accounting principles generally accepted in the United States of America, 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 the table are intended to permit the reconciliation of the fair value hierarchy to the line items presented in the statement of net assets available for benefits.

Note 5: Related Party Transactions

Fees for certain administrative expenses may be paid by the Company.

Certain Plan investments are managed by Fidelity Management Trust Company as denoted on the supplementary Schedule H, Line 4i - Schedule of Assets (Held at End of Year). Fidelity Management Trust Company is the Trustee and record-keeper for the Plan and, therefore, these transactions qualify as party-in-interest transactions. Fees paid by the Plan for investment management services were included as a reduction of the return earned on each fund.

Note 6: Reconciliation Of Financial Statements To Form 5500

The following is a reconciliation of the net assets available for benefits per the financial statements to Form 5500 for the years ended December 31:

	2018	2017
Net assets available for benefits per the financial statements	$ 53,192,170	$ 55,033,608
Adjustment for Fidelity Managed Income Portfolio	(18,453)	(2,290)
Adjustment for deemed distributions of participant loans	(50,721)	(77,329)
Adjustment for contributions receivable	(1,324,876)	(1,369,594)
Net Assets Available For Benefits Per Schedule H Of Form 5500	$ 51,798,120	$ 53,584,395

Note 6: Reconciliation Of Financial Statements To Form 5500 (Continued)

The following is a reconciliation of the increase (decrease) in net assets available for benefits per the financial statements to Form 5500 for the years ended December 31:

	2018	2017
Net increase (decrease) in net assets available for benefits per the financial statements	$ (1,841,438)	$ 9,143,084
Adjustment for contributions receivable	44,505	(106,560)
Deemed distributions	28,855	(30,178)
Excess contributions refunded	-	(22,822)
Adjustment for Fidelity Managed Income Portfolio	(18,197)	(6,973)
Net Increase (Decrease) Per Schedule H Of Form 5500	$ (1,786,275)	$ 8,976,551

Note 7: 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 statements of net assets available for benefits.

Note 8: Commitments And Contingencies

The Plan follows the guidance for uncertainty in income taxes. As of December 31, 2018, the Plan believes that it has appropriate support for the income tax positions taken and to be taken based on an assessment of many factors including experience and interpretations of tax laws applied to the facts of each matter. The Plan has concluded that there are no significant uncertain tax positions requiring disclosure, and there are no material amounts of unrecognized tax benefits.

The Plan is currently involved in an Internal Revenue Service audit for the 2016 plan year. The results of this have yet to be determined.

Note 9: Subsequent Events

Subsequent events have been evaluated through October 8, 2019 which is the date the financial statements were available to be issued.

SUPPLEMENTARY INFORMATION

Schedule I

MECHANICAL DYNAMICS & ANALYSIS, LLC 401(K) PLAN

Schedule H, Line 4i - Schedule Of Assets (Held At End Of Year)

December 31, 2018

E.I.N. 20-3400458
PLAN #001

(a)	(b)	(c)	(e)
	IDENTITY OF ISSUE, BORROWER, LESSOR, OR SIMILAR PARTY	**DESCRIPTION OF INVESTMENT INCLUDING MATURITY DATE, RATE OF INTEREST, COLLATERAL, PAR, OR MATURITY VALUE**	**CURRENT VALUE**
*	FIDELITY FREEDOM K 2020 FUND	324946.139 UNITS	$ 4,760,492
*	FIDELITY 500 INDEX PR	47871.878 UNITS	4,169,641
*	FIDELITY FREEDOM K 2030 FUND	253830.395 UNITS	3,974,984
*	FIDELITY GOVERNMENT MONEY MARKET	2907139.31 UNITS	2,907,139
*	FIDELITY BLUE CHIP GROWTH K FUND	255225.641 UNITS	2,830,452
*	FIDELITY FREEDOM K 2040 FUND	286646.924 UNITS	2,591,288
*	FIDELITY FREEDOM K 2025 FUND	201297.252 UNITS	2,562,514
*	FIDELITY CONTRA K FUND	222779.322 UNITS	2,468,395
	OAKMARK INST	31539.593 UNITS	2,152,893
*	FIDELITY FREEDOM 2035 FUND	159134.227 UNITS	2,065,562
*	FIDELITY GROWTH COMPANY K FUND	114758.507 UNITS	1,839,579
*	FIDELITY MANAGED INCOME PORTFOLIO	1738374.06 UNITS	1,738,374
*	FIDELITY LOW PRICED STOCK K FUND	136243.128 UNITS	1,350,169
*	FIDELITY FREEDOM K 2045 FUND	130111.965 UNITS	1,333,648
*	FIDELITY DIVERSED INTERNATIONAL K FUND	115207.654 UNITS	1,044,933
*	FIDELITY US BOND IDX PR	88486.959 UNITS	998,133
*	FIDELITY FREEDOM K 2015 FUND	84359.255 UNITS	997,126
	PIMCO TOTAL RETURN ADMINISTRATION FUND	93668.902 UNITS	930,132
	BROKERAGE LINK - COMMON STOCK		913,797
*	FIDELITY FREEDOM K 2050 FUND	80295.526 UNITS	828,650
*	FIDELITY MID CAP STOCK K FUND	25980.769 UNITS	792,154
	OAKMARK EQUITY & INCOME FUND	27812.1 UNITS	747,311
*	FIDELITY VALUE FUND	81200.477 UNITS	706,444
*	FIDELITY FREEDOM K 2055 FUND	55728.479 UNITS	654,252
	JPMORGAN U.S. SMALL COMPANY INST FUND	43946.371 UNITS	644,254
	BROKERAGE LINK - UNIT		607,336
	WFA SMALL COMPANY GROWTH FUND	12428.335 UNITS	591,216
	TEMPLETON FOREIGN FUND	69708.128 UNITS	456,588
*	FIDELITY EMERGING MARKETS K FUND	16445.305 UNITS	437,939
*	FIDELITY GOVT INCOME	38222.835 UNITS	384,522
	TEMPLETON GLOBAL BOND FUND	34020.968 UNITS	382,736
	PIMCO HIGH YIELD FUND	45324.118 UNITS	375,284
*	BROKERAGE LINK - FIDELITY FUND		370,400
	BROKERAGE LINK - CASH		260,022
*	FIDELITY EXTD MKT IDX	4536.463 UNITS	240,977

MECHANICAL DYNAMICS & ANALYSIS, LLC 401(K) PLAN

Schedule H, Line 4i - Schedule Of Assets (Held At End Of Year)

December 31, 2018

E.I.N. 20-3400458
PLAN #001

	(a)	(b)	(c)	(e)
		IDENTITY OF ISSUE, BORROWER, LESSOR, OR SIMILAR PARTY	**DESCRIPTION OF INVESTMENT INCLUDING MATURITY DATE, RATE OF INTEREST, COLLATERAL, PAR, OR MATURITY VALUE**	**CURRENT VALUE**
		PIMCO REAL RETURN INST	22568.777 UNITS	238,326
*		FIDELITY REAL ESTATE INVS	5892.198 UNITS	226,319
*		FIDELITY FREEDOM 2060 FUND	13409.291 UNITS	141,334
*		FIDELITY FREEDOM 2010 FUND	8671.577 UNITS	125,218
*		FIDELITY INTL INDEX	3304.948 UNITS	120,135
		BROKERAGE LINK - EXTERNAL FUND		69,706
*		FIDELITY FREEDOM INC FUND	4962.941 UNITS	54,443
*		FIDELITY FREEDOM 2005 FUND	2682.3 UNITS	31,061
		TOTAL INVESTMENTS		51,115,878
*		PARTICIPANT NOTES RECEIVABLE	4.25% - 6.25%	751,448
		TOTAL		$ 51,867,326

* PARTY-IN-INTEREST

Teal, Becker & Chiaramonte™
CERTIFIED PUBLIC ACCOUNTANTS & ADVISORS

October 8, 2019

To The 401(k) Plan Committee Of
Mechanical Dynamics & Analysis, LLC 401(k) Plan

We have conducted a Department of Labor (DOL) limited-scope audit of the financial statements of Mechanical Dynamics & Analysis, LLC 401(k) Plan (the Plan) as of and for the year ended December 31, 2018 and have issued our report thereon dated October 8, 2019. Professional standards require that we advise you of the following information related to our audit.

Our Responsibility in Relation to the Financial Statement Audit

As communicated in our engagement letter dated December 3, 2018, our responsibility, as described by professional standards, is to conduct our audit in accordance with auditing standards generally accepted in the United States of America except that, as permitted by 29 CFR 2520.103-8 of the DOL's Rules and Regulations for Reporting and Disclosure under ERISA and as instructed by Plan management, we did not perform any auditing procedures with respect to information prepared and certified to by Fidelity Management Trust Company, the Trustee, in accordance with DOL Regulation 2520.103-5, other than comparing the information with the related information included in the financial statements and supplementary schedule. Because of the significance of the information that we did not audit, we did not express an opinion on the financial statements and supplementary schedule taken as a whole. The form and content of the information included in the financial statements and supplementary schedule, other than that derived from the information certified to by Fidelity Management Trust Company, were audited by us in accordance with auditing standards generally accepted in the United States of America and were subjected to tests of the Plan's accounting records and other procedures we considered necessary to enable us to express an opinion that they are presented in compliance with the DOL's Rules and Regulations for Reporting and Disclosure under ERISA. Our audit of the financial statements does not relieve you or management of its respective responsibilities.

We are also responsible for communicating significant matters related to the audit that are, in our professional judgment, relevant to your responsibilities in overseeing the financial reporting process. However, we are not required to design procedures for the purpose of identifying other matters to communicate to you.

We have provided our comments regarding other matters noted during our audit in a separate letter to you dated October 8, 2019.

Planned Scope and Timing of the Audit

We conducted our audit consistent with the planned scope and timing we previously communicated to you.

Compliance with All Ethics Requirements Regarding Independence

The engagement team, others in our Firm, as appropriate, and our Firm have complied with all relevant ethical requirements regarding independence.

Qualitative Aspects of the Plan's Significant Accounting Practices

Significant Accounting Policies

Management has the responsibility to select and use appropriate accounting policies. A summary of the significant accounting policies adopted by the Plan is included in Note 2 to the financial statements. There has been no initial selection of accounting policies and no changes in significant accounting policies or their application during 2018. No matters have come to our attention that would require us, under professional standards, to inform you about (1) the methods used to account for significant unusual transactions and (2) the effect of significant accounting policies in controversial or emerging areas for which there is a lack of authoritative guidance or consensus.

Financial Statement Disclosures

The financial statement disclosures are neutral, consistent, and clear.

Significant Difficulties Encountered during the Audit

We encountered no significant difficulties in dealing with management relating to the performance of the audit.

Uncorrected and Corrected Misstatements

For purposes of this communication, professional standards require us to accumulate all known and likely misstatements identified during the audit, other than those that we believe are trivial, and communicate them to the appropriate level of management. Further, professional standards require us to also communicate the effect of uncorrected misstatements related to prior years on the relevant classes of transactions, account balances or disclosures, and the financial statements as a whole. Management has corrected all identified misstatements.

In addition, professional standards require us to communicate to you all material, corrected misstatements that were brought to the attention of management as a result of our audit procedures. None of the misstatements identified by us as a result of our audit procedures and corrected by management were material, either individually or in the aggregate, to the financial statements taken as a whole.

Disagreements with Management

For purposes of this letter, professional standards define a disagreement with management as a matter, whether or not resolved to our satisfaction, concerning a financial accounting, reporting, or auditing matter, which could be significant to the Plan's financial statements or the auditors' report. No such disagreements arose during the course of the audit.

Representations Requested from Management

We have requested certain written representations from management, which are included in the management representation letter dated October 8, 2019.

Management's Consultations with Other Accountants

In some cases, management may decide to consult with other accountants about auditing and accounting matters. Management informed us that, and to our knowledge, there were no consultations with other accountants regarding auditing and accounting matters.

Other Significant Matters, Findings, or Issues

In the normal course of our professional association with the Plan, we generally discuss a variety of matters, including the application of accounting principles and auditing standards, business conditions affecting the Plan, and business plans and strategies that may affect the risks of material misstatement. None of the matters discussed resulted in a condition to our retention as the Plan's auditors.

Modification of the Auditors' Report

We have made the following modification to our auditors' report:

We have issued a disclaimer of opinion because the Plan Administrator instructed us not to perform, and we did not perform any auditing procedures with respect to the investment information certified by Fidelity Management Trust Company, the Trustee of the Plan, except for comparing such information with the related information included in the financial statements.

This report is intended solely for the information and use of the 401(k) Plan Committee of Mechanical Dynamics & Analysis, LLC 401(k) Plan, and is not intended to be and should not be used by anyone other than these specified parties.

Very truly yours,

TEAL, BECKER & CHIARAMONTE, CPAs, P.C.

Teal Becker & Chiaramonte CPAs PC