

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 6047(e), 6057(b), and 6058(a) of the Internal Revenue Code (the Code). <p style="text-align: center;">▶ Complete all entries in accordance with the instructions to the Form 5500.</p>	OMB Nos. 1210-0110 1210-0089 <div style="text-align: center; font-size: 1.5em; font-weight: bold;">2015</div> This Form is Open to Public Inspection
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Part I	Annual Report Identification Information
For calendar plan year 2015 or fiscal plan year beginning <u>01/01/2015</u> and ending <u>12/31/2015</u>	
A This return/report is for:	☐ a multiemployer plan; ☐ a multiple-employer plan (Filers checking this box must attach a list of participating employer information in accordance with the form instructions); or ☒ a single-employer plan; ☐ a DFE (specify) ____
B This return/report is:	☐ the first return/report; ☐ the final return/report; ☐ an amended return/report; ☐ a short plan year return/report (less than 12 months).
C If the plan is a collectively-bargained plan, check here.	☐
D Check box if filing under:	☒ Form 5558; ☐ automatic extension; ☐ the DFVC program; ☐ special extension (enter description)

Part II	Basic Plan Information —enter all requested information				
1a Name of plan <u>APPLIED INDUSTRIAL TECHNOLOGIES, INC. RETIREMENT SAVINGS PLAN</u>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">1b Three-digit plan number (PN) ▶</td> <td style="width: 20%; text-align: center;"><u>003</u></td> </tr> <tr> <td colspan="2">1c Effective date of plan <u>05/01/1988</u></td> </tr> </table>	1b Three-digit plan number (PN) ▶	<u>003</u>	1c Effective date of plan <u>05/01/1988</u>	
1b Three-digit plan number (PN) ▶	<u>003</u>				
1c Effective date of plan <u>05/01/1988</u>					
2a Plan sponsor's name (employer, if for a single-employer plan) Mailing address (include room, apt., suite no. and street, or P.O. Box) City or town, state or province, country, and ZIP or foreign postal code (if foreign, see instructions) <u>APPLIED INDUSTRIAL TECHNOLOGIES, INC.</u> <u>ONE APPLIED PLAZA</u> <u>CLEVELAND, OH 44104-2193</u>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>2b Employer Identification Number (EIN) <u>34-0117420</u></td> </tr> <tr> <td>2c Plan Sponsor's telephone number <u>216-426-4776</u></td> </tr> <tr> <td>2d Business code (see instructions) <u>423990</u></td> </tr> </table>	2b Employer Identification Number (EIN) <u>34-0117420</u>	2c Plan Sponsor's telephone number <u>216-426-4776</u>	2d Business code (see instructions) <u>423990</u>	
2b Employer Identification Number (EIN) <u>34-0117420</u>					
2c Plan Sponsor's telephone number <u>216-426-4776</u>					
2d Business code (see instructions) <u>423990</u>					

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

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

SIGN HERE	Filed with authorized/valid electronic signature.	07/11/2016	BARB EMERY
	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
Preparer's name (including firm name, if applicable) and address (include room or suite number)			Preparer's telephone number

3a Plan administrator's name and address ☒ Same as Plan Sponsor	3b Administrator's EIN 3c Administrator's telephone number <div style="background-color: #cccccc; height: 40px; width: 100%;"></div>
4 If the name and/or EIN of the plan sponsor has changed since the last return/report filed for this plan, enter the name, EIN and the plan number from the last return/report: a Sponsor's name	4b EIN 4c PN
5 Total number of participants at the beginning of the plan year	5 5422
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) 4481
a(2) Total number of active participants at the end of the plan year	6a(2) 4633
b Retired or separated participants receiving benefits.....	6b 0
c Other retired or separated participants entitled to future benefits.....	6c 980
d Subtotal. Add lines 6a(2) , 6b , and 6c	6d 5613
e Deceased participants whose beneficiaries are receiving or are entitled to receive benefits.....	6e 15
f Total. Add lines 6d and 6e	6f 5628
g Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item)	6g 5161
h Number of participants that terminated employment during the plan year with accrued benefits that were less than 100% vested	6h 111
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 2H 2J 2K 2O	
b If the plan provides welfare benefits, enter the applicable welfare feature codes from the List of Plan Characteristics Codes in the instructions:	
9a Plan funding arrangement (check all that apply) (1) ☐ Insurance (2) ☐ Code section 412(e)(3) insurance contracts (3) ☒ Trust (4) ☐ General assets of the sponsor	9b Plan benefit arrangement (check all that apply) (1) ☐ Insurance (2) ☐ Code section 412(e)(3) insurance contracts (3) ☒ Trust (4) ☐ General assets of the sponsor
10 Check all applicable boxes in 10a and 10b to indicate which schedules are attached, and, where indicated, enter the number attached. (See instructions)	
a Pension Schedules (1) ☒ R (Retirement Plan Information) (2) ☐ MB (Multiemployer Defined Benefit Plan and Certain Money Purchase Plan Actuarial Information) - signed by the plan actuary (3) ☐ SB (Single-Employer Defined Benefit Plan Actuarial Information) - signed by the plan actuary	b General Schedules (1) ☒ H (Financial Information) (2) ☐ I (Financial Information – Small Plan) (3) ☐ A (Insurance Information) (4) ☒ C (Service Provider Information) (5) ☒ D (DFE/Participating Plan Information) (6) ☐ G (Financial Transaction Schedules)

Part III	Form M-1 Compliance Information (to be completed by welfare benefit plans)
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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 2015 Form M-1 annual report. If the plan was not required to file the 2015 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) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Service Provider Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA). ▶ File as an attachment to Form 5500.	OMB No. 1210-0110
		2015
		This Form is Open to Public Inspection.

For calendar plan year 2015 or fiscal plan year beginning 01/01/2015 and ending 12/31/2015

A Name of plan APPLIED INDUSTRIAL TECHNOLOGIES, INC. RETIREMENT SAVINGS PLAN	B Three-digit plan number (PN) ▶ 003
C Plan sponsor's name as shown on line 2a of Form 5500 APPLIED INDUSTRIAL TECHNOLOGIES, INC.	D Employer Identification Number (EIN) 34-0117420

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

1 Information on Persons Receiving Only Eligible Indirect Compensation

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

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

95-1411037

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

13-5620131

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

84-0643524

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

13-2624428

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

HARBOR

04-2679462

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

PRINCIPAL FUNDS

42-1520346

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

GOLDMAN SACHS

13-5108880

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

T. ROWE PRICE

52-2264646

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

VANGUARD

23-1945930

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

LEGG MASON/WESTERN

52-1200960

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

AMERICAN BEACON

75-2401150

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

PRUDENTIAL INVESTMENTS

22-3703799

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

DIMENSIONAL FUND ADVISORS

22-2370029

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

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

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

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

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)

WELLS FARGO BANK, N.A.

94-1347393

(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?
15 21 49 50 52 62 64	SERVICE PROVIDER	645806	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☐ No ☒

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

UBS FINANCIAL SERVICES INC.

13-2638166

(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 50	NONE	75000	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☐ No ☒

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

PLANTE & MORAN

38-1357951

(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?
10 50	NONE	32300	Yes ☒ No ☐	Yes ☒ No ☐	0	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)

OLGTREE & DEAKINS

57-1044820

(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?
29 50	NONE	32080	Yes ☒ No ☐	Yes ☒ No ☐	0	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
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	

(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	

(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:

<div>SCHEDULE D (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration</div>		<div>DFE/Participating Plan Information</div> <div>This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA).</div> <div>▶ File as an attachment to Form 5500.</div>		<div>OMB No. 1210-0110</div> <div>2015</div> <div>This Form is Open to Public Inspection.</div>	
For calendar plan year 2015 or fiscal plan year beginning 01/01/2015 and ending 12/31/2015					
A Name of plan APPLIED INDUSTRIAL TECHNOLOGIES, INC. RETIREMENT SAVINGS PLAN				B Three-digit plan number (PN) ▶ 003	
C Plan or DFE sponsor's name as shown on line 2a of Form 5500 APPLIED INDUSTRIAL TECHNOLOGIES, INC.				D Employer Identification Number (EIN) 34-0117420	
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: RSVT INCOME FUND II					
b Name of sponsor of entity listed in (a): COLUMBIA TRUST					
c EIN-PN 41-0007957-060		d Entity code C		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 54781429	
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)	
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,	

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) <small>Department of the Treasury Internal Revenue Service</small> <small>Department of Labor Employee Benefits Security Administration</small> <small>Pension Benefit Guaranty Corporation</small>	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.	<small>OMB No. 1210-0110</small> 2015 This Form is Open to Public Inspection
For calendar plan year 2015 or fiscal plan year beginning <u>01/01/2015</u> and ending <u>12/31/2015</u>		
A Name of plan <u>APPLIED INDUSTRIAL TECHNOLOGIES, INC. RETIREMENT SAVINGS PLAN</u>		B Three-digit plan number (PN) ► <u>003</u>
C Plan sponsor's name as shown on line 2a of Form 5500 <u>APPLIED INDUSTRIAL TECHNOLOGIES, INC.</u>		D Employer Identification Number (EIN) <u>34-0117420</u>

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	19095	0
b Receivables (less allowance for doubtful accounts):			
(1) Employer contributions	1b(1)		
(2) Participant contributions	1b(2)		
(3) Other.....	1b(3)		
c General investments:			
(1) Interest-bearing cash (include money market accounts & certificates of deposit)	1c(1)		
(2) U.S. Government securities.....	1c(2)		
(3) Corporate debt instruments (other than employer securities):			
(A) Preferred	1c(3)(A)		
(B) All other.....	1c(3)(B)		
(4) Corporate stocks (other than employer securities):			
(A) Preferred	1c(4)(A)		
(B) Common	1c(4)(B)		
(5) Partnership/joint venture interests	1c(5)		
(6) Real estate (other than employer real property)	1c(6)		
(7) Loans (other than to participants)	1c(7)		
(8) Participant loans	1c(8)	8161726	7644218
(9) Value of interest in common/collective trusts.....	1c(9)	54034992	54781429
(10) Value of interest in pooled separate accounts.....	1c(10)		
(11) Value of interest in master trust investment accounts	1c(11)		
(12) Value of interest in 103-12 investment entities	1c(12)		
(13) Value of interest in registered investment companies (e.g., mutual funds).....	1c(13)	290509056	275362038
(14) Value of funds held in insurance company general account (unallocated contracts).....	1c(14)		
(15) Other	1c(15)		

1d Employer-related investments:

		(a) Beginning of Year	(b) End of Year
(1) Employer securities	1d(1)	102098475	81134021
(2) Employer real property	1d(2)		
e Buildings and other property used in plan operation	1e		
f Total assets (add all amounts in lines 1a through 1e)	1f	454823344	418921706

Liabilities

g Benefit claims payable	1g		
h Operating payables	1h		
i Acquisition indebtedness	1i		
j Other liabilities	1j		36672
k Total liabilities (add all amounts in lines 1g through 1j)	1k	0	36672

Net Assets

l Net assets (subtract line 1k from line 1f)	1l	454823344	418885034
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Part II Income and Expense Statement

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

Income

		(a) Amount	(b) Total
a Contributions:			
(1) Received or receivable in cash from: (A) Employers	2a(1)(A)	2995014	
(B) Participants	2a(1)(B)	13070578	
(C) Others (including rollovers)	2a(1)(C)	5231885	
(2) Noncash contributions	2a(2)		
(3) Total contributions. Add lines 2a(1)(A) , (B) , (C) , and line 2a(2)	2a(3)		21297477
b Earnings on investments:			
(1) Interest:			
(A) Interest-bearing cash (including money market accounts and certificates of deposit)	2b(1)(A)		
(B) U.S. Government securities	2b(1)(B)		
(C) Corporate debt instruments	2b(1)(C)		
(D) Loans (other than to participants)	2b(1)(D)		
(E) Participant loans	2b(1)(E)	350810	
(F) Other	2b(1)(F)		
(G) Total interest. Add lines 2b(1)(A) through (F)	2b(1)(G)		350810
(2) Dividends: (A) Preferred stock	2b(2)(A)		
(B) Common stock	2b(2)(B)		
(C) Registered investment company shares (e.g. mutual funds)	2b(2)(C)	3569469	
(D) Total dividends. Add lines 2b(2)(A) , (B) , and (C)	2b(2)(D)		3569469
(3) Rents	2b(3)		
(4) Net gain (loss) on sale of assets: (A) Aggregate proceeds	2b(4)(A)	30010855	
(B) Aggregate carrying amount (see instructions)	2b(4)(B)	32559006	
(C) Subtract line 2b(4)(B) from line 2b(4)(A) and enter result	2b(4)(C)		-2548151
(5) Unrealized appreciation (depreciation) of assets: (A) Real estate	2b(5)(A)		
(B) Other	2b(5)(B)	-8318419	
(C) Total unrealized appreciation of assets. Add lines 2b(5)(A) and (B)	2b(5)(C)		-8318419

		(a) Amount	(b) Total
(6) Net investment gain (loss) from common/collective trusts	2b(6)		667912
(7) Net investment gain (loss) from pooled separate accounts	2b(7)		
(8) Net investment gain (loss) from master trust investment accounts	2b(8)		
(9) Net investment gain (loss) from 103-12 investment entities	2b(9)		
(10) Net investment gain (loss) from registered investment companies (e.g., mutual funds)	2b(10)		469285
c Other income	2c		2264278
d Total income. Add all income amounts in column (b) and enter total	2d		17752661

Expenses**e** Benefit payment and payments to provide benefits:

(1) Directly to participants or beneficiaries, including direct rollovers	2e(1)	52751820	
(2) To insurance carriers for the provision of benefits	2e(2)		
(3) Other	2e(3)		
(4) Total benefit payments. Add lines 2e(1) through (3)	2e(4)		52751820
f Corrective distributions (see instructions)	2f		542
g Certain deemed distributions of participant loans (see instructions)	2g		164448
h Interest expense	2h		
i Administrative expenses: (1) Professional fees	2i(1)		
(2) Contract administrator fees	2i(2)		
(3) Investment advisory and management fees	2i(3)		
(4) Other	2i(4)	774161	
(5) Total administrative expenses. Add lines 2i(1) through (4)	2i(5)		774161
j Total expenses. Add all expense amounts in column (b) and enter total	2j		53690971

Net Income and Reconciliation

k Net income (loss). Subtract line 2j from line 2d	2k		-35938310
l Transfers of assets:			
(1) To this plan	2l(1)		
(2) From this plan	2l(2)		

Part III Accountant's Opinion

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

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

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

b Did the accountant perform a limited scope audit pursuant to 29 CFR 2520.103-8 and/or 103-12(d)?

☐ Yes ☒ No

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

(1) Name: PLANTE MORAN

(2) EIN: 38-1357951

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	N/A	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.)		☒		
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.)		☒		

	Yes	No	N/A	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.)		X		
d Were there any nonexempt transactions with any party-in-interest? (Do not include transactions reported on line 4a. Attach Schedule G (Form 5500) Part III if "Yes" is checked.)		X		
e Was this plan covered by a fidelity bond?	X			5000000
f Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty?		X		
g Did the plan hold any assets whose current value was neither readily determinable on an established market nor set by an independent third party appraiser?		X		
h Did the plan receive any noncash contributions whose value was neither readily determinable on an established market nor set by an independent third party appraiser?		X		
i Did the plan have assets held for investment? (Attach schedule(s) of assets if "Yes" is checked, and see instructions for format requirements.)	X			
j Were any plan transactions or series of transactions in excess of 5% of the current value of plan assets? (Attach schedule of transactions if "Yes" is checked, and see instructions for format requirements.)		X		
k Were all the plan assets either distributed to participants or beneficiaries, transferred to another plan, or brought under the control of the PBGC?		X		
l Has the plan failed to provide any benefit when due under the plan?		X		
m If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.)		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.				
o Did the plan trust incur unrelated business taxable income?				
p Were in-service distributions made during the plan year?				

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

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

Part V Trust Information

6a Name of trust	6b Trust's EIN
6c Name of trustee or custodian	6d Trustee's or custodian's telephone number

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 section 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
		2015
		This Form is Open to Public Inspection.

For calendar plan year 2015 or fiscal plan year beginning 01/01/2015 and ending 12/31/2015

A Name of plan <u>APPLIED INDUSTRIAL TECHNOLOGIES, INC. RETIREMENT SAVINGS PLAN</u>	B Three-digit plan number (PN) ▶ <u>003</u>
C Plan sponsor's name as shown on line 2a of Form 5500 <u>APPLIED INDUSTRIAL TECHNOLOGIES, INC.</u>	D Employer Identification Number (EIN) <u>34-0117420</u>

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

1 Total value of distributions paid in property other than in cash or the forms of property specified in the instructions.....	1	<u>0</u>
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): <u>41-6257133</u>		
Profit-sharing plans, ESOPs, and stock bonus plans, skip line 3.		
3 Number of participants (living or deceased) whose benefits were distributed in a single sum, during the plan year.....	3	

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

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

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
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18	If any liabilities to participants or their beneficiaries under the plan as of the end of the plan year consist (in whole or in part) of liabilities to such participants and beneficiaries under two or more pension plans as of immediately before such plan year, check box and see instructions regarding supplemental information to be included as an attachment ☐
19	If the total number of participants is 1,000 or more, complete lines (a) through (c)
	a Enter the percentage of plan assets held as: Stock: _____% Investment-Grade Debt: _____% High-Yield Debt: _____% Real Estate: _____% Other: _____%
	b Provide the average duration of the combined investment-grade and high-yield debt: ☐ 0-3 years ☐ 3-6 years ☐ 6-9 years ☐ 9-12 years ☐ 12-15 years ☐ 15-18 years ☐ 18-21 years ☐ 21 years or more
	c What duration measure was used to calculate line 19(b)? ☐ Effective duration ☐ Macaulay duration ☐ Modified duration ☐ Other (specify): _____

Part VII	IRS Compliance Questions
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20a Is the plan a 401(k) plan?	☐ Yes	☐ No
20b If "Yes," how does the 401(k) plan satisfy the nondiscrimination requirements for employee deferrals and employer matching contributions (as applicable) under sections 401(k)(3) and 401(m)(2)?	☐ Design-based safe harbor method	☐ ADP/ACP test
20c If the ADP/ACP test is used, did the 401(k) plan perform ADP/ACP testing for the plan year using the "current year testing method" for nonhighly compensated employees (Treas. Reg sections 1.401(k)-2(a)(2)(ii) and 1.401(m)-2(a)(2)(ii))?	☐ Yes	☐ No
21a Check the box to indicate the method used by the plan to satisfy the coverage requirements under section 410(b):	☐ Ratio percentage test	☐ Average benefit test
21b Does the plan satisfy the coverage and nondiscrimination tests of sections 410(b) and 401(a)(4) by combining this plan with any other plans under the permissive aggregation rules?	☐ Yes	☐ No
22a Has the plan been timely amended for all required tax law changes?	☐ Yes	☐ No ☐ N/A
22b Date the last plan amendment/restatement for the required tax law changes was adopted ____/____/____. Enter the applicable code _____. (See instructions for tax law changes and codes).		
22c If the plan sponsor is an adopter of a pre-approved master and prototype (M&P) or volume submitter plan that is subject to a favorable IRS opinion or advisory letter, enter the date of that favorable letter ____/____/____ and the letter's serial number _____.		
22d If the plan is an individually-designed plan and received a favorable determination letter from the IRS, enter the date of the plan's last favorable determination letter ____/____/____.		
23 Is the Plan maintained in a U.S. territory (i.e., Puerto Rico (if no election under ERISA section 1022(i)(2) has been made), American Samoa, Guam, the Commonwealth of the Northern Mariana Islands or the U.S. Virgin Islands)?	☐ Yes	☐ No

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549**

**FORM 11-K
ANNUAL REPORT
PURSUANT TO SECTION 15(d) OF THE
SECURITIES EXCHANGE ACT OF 1934**

**[X] ANNUAL REPORT PURSUANT TO SECTION 15(d) OF THE SECURITIES EXCHANGE
ACT OF 1934**

For the fiscal year ended December 31, 2015.

**[] TRANSITION REPORT PURSUANT TO SECTION 15(d) OF THE SECURITIES
EXCHANGE ACT OF 1934**

For the transition period from _____ to _____.

Commission file number 1-2299

- A. Full title of the plan and the address of the plan, if different from that of the issuer named below:

Applied Industrial Technologies, Inc.
Retirement Savings Plan

- B. Name of issuer of the securities held pursuant to the plan and the address of its principal executive office:

Applied Industrial Technologies, Inc.
One Applied Plaza
Cleveland, Ohio 44115-5056

Financial Statements and Exhibit(s) (enclosed)

(a) Financial Statements

Report of Independent Registered Public Accounting Firm

Statements of Net Assets Available for Benefits
As of December 31, 2015 and 2014

Statement of Changes in Net Assets Available for Benefits
For the Years Ended December 31, 2015 and 2014

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(b) Exhibit(s)

23 Consent of Independent Registered Public Accounting Firm

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the Plan has duly caused this annual report to be signed on its behalf by the undersigned, hereunto duly authorized.

APPLIED INDUSTRIAL TECHNOLOGIES,
INC. RETIREMENT SAVINGS PLAN

By: Applied Industrial Technologies, Inc., as Plan
Administrator

By: /s/ Kurt W. Loring
Kurt W. Loring
Vice President-Chief Human Resources Officer

Date: June 27, 2016

**APPLIED INDUSTRIAL TECHNOLOGIES, INC.
RETIREMENT SAVINGS PLAN**

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For the Years Ended December 31, 2015 and 2014

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As of December 31, 2015 and For the Year Ended December 31, 2015

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RETIREMENT SAVINGS PLAN

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Independent Auditor's Report

To the Investment and Advisory Committees
Applied Industrial Technologies, Inc. Retirement Savings Plan

Report on the Financial Statements

We have audited the accompanying financial statements of Applied Industrial Technologies, Inc. Retirement Savings Plan (the "Plan"), which comprise the statement of net assets available for benefits as of December 31, 2015 and 2014 and the related statement 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.

Auditor's Responsibility

Our responsibility is to express an opinion on these financial statements based on our audits. We conducted our audits in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audits to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

To the Investment and Advisory Committees
Applied Industrial Technologies, Inc. Retirement Savings Plan

Opinion

In our opinion, the financial statements referred to above present fairly, in all material respects, the net assets of the Plan as of December 31, 2015 and 2014, and the changes in net assets for the years then ended, in accordance with accounting principles generally accepted in the United States of America.

Report on Supplemental Information

Our audits were conducted for the purpose of forming an opinion on the financial statements as a whole. The supplemental schedule of assets held at end of year as of December 31, 2015 is presented for the purpose of additional analysis and is not a required part of the financial statements but are supplemental information required by the Department of Labor's (DOL) Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974 (ERISA). Such information is the responsibility of the Plan's management and was derived from and relates directly to the underlying accounting and other records used to prepare the financial statements. This information has been subjected to the auditing procedures applied in the audits of the financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the financial statements or to the financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, the supplemental information is fairly stated in all material respects in relation to the financial statements as a whole.

Plante & Moran, PLLC

Cleveland, Ohio
June 27, 2016

APPLIED INDUSTRIAL TECHNOLOGIES, INC.
RETIREMENT SAVINGS PLAN

STATEMENTS OF NET ASSETS AVAILABLE FOR BENEFITS
AS OF DECEMBER 31, 2015 AND 2014

	<u>2015</u>	<u>2014</u>
Assets:		
Cash	\$ —	\$ 19,095
Investments at fair value:	411,240,816	446,642,523
Participant notes receivable	<u>7,644,218</u>	<u>8,161,726</u>
Net assets available for plan benefits	<u>\$ 418,885,034</u>	<u>\$ 454,823,344</u>

See notes to financial statements.

**APPLIED INDUSTRIAL TECHNOLOGIES, INC.
RETIREMENT SAVINGS PLAN**

**STATEMENTS OF CHANGES IN NET ASSETS AVAILABLE FOR BENEFITS
FOR THE YEARS ENDED DECEMBER 31, 2015 AND 2014**

	<u>2015</u>	<u>2014</u>
Additions to net assets attributed to:		
Contributions:		
Participants	\$ 13,070,578	\$ 12,756,833
Participants' rollovers	5,231,885	3,400,269
Employer	2,995,014	2,975,924
Total contributions	<u>21,297,477</u>	<u>19,133,026</u>
Interest, Dividends, and Other	6,121,010	6,976,419
Net (depreciation) appreciation in fair value of investments:		
Applied Industrial Technologies, Inc. Stock Fund	(10,397,285)	(7,547,162)
Mutual funds	380,649	17,451,528
Total net (depreciation) appreciation in fair value of investments	<u>(10,016,636)</u>	<u>9,904,366</u>
Total investment (loss) income	<u>(3,895,626)</u>	<u>16,880,785</u>
Interest on participant notes receivable	<u>350,810</u>	<u>372,985</u>
Total additions	17,752,661	36,386,796
Deductions from net assets attributed to:		
Distributions to participants	(52,916,810)	(47,050,594)
Administrative expenses	(774,161)	(612,791)
Total deductions	<u>(53,690,971)</u>	<u>(47,663,385)</u>
Net (decrease) increase in net assets	(35,938,310)	(11,276,589)
Net assets available for benefits:		
Beginning of year	454,823,344	466,099,933
End of year	<u>\$ 418,885,034</u>	<u>\$ 454,823,344</u>

See notes to financial statements.

APPLIED INDUSTRIAL TECHNOLOGIES, INC. RETIREMENT SAVINGS PLAN

NOTES TO FINANCIAL STATEMENTS

YEARS ENDED DECEMBER 31, 2015 AND 2014

1. DESCRIPTION OF THE PLAN

The following description of the Applied Industrial Technologies, Inc. Retirement Savings Plan (the "Plan") is provided for general purposes only. Participants and users of the financial statements should refer to the Plan document for more complete information.

General - The Plan was established for the purpose of encouraging and assisting domestic employees of Applied Industrial Technologies, Inc. and its subsidiaries (the "Company") to provide long-term, tax-deferred savings for retirement. The Plan is subject to reporting and disclosure requirements, minimum participation and vesting standards, and fiduciary responsibility requirements of the Employee Retirement Income Security Act of 1974 ("ERISA").

Administration - The Plan is administered by the Company. The Company's powers and duties relate to making participant and employer contributions to the Plan, establishing investment options, authorizing disbursements from the Plan, and resolving any questions of Plan interpretation. The record keeper and trustee for the assets of the plan is Wells Fargo Bank, N.A. ("Wells Fargo").

Participant Accounts - Each participant's account is credited with the participant's contributions and allocations of (a) the Company's contributions and (b) Plan earnings (losses), and (c) administrative expenses. Allocated expenses are based on participant contributions, account balances, or can be per capita, as defined. The benefit to which a participant is entitled is the benefit that can be provided from the participant's vested portion of their account.

Participation and Contributions - All eligible employees may participate in the Plan after their first payroll period. Eligible employees may elect to make pretax contributions to the Plan ranging from 1% to 50% of compensation, subject to limitations under the Internal Revenue Code. All newly eligible employees are automatically enrolled into the Plan with an initial contribution rate of 2% after 30 days of employment if they have not made an affirmative election already.

The Company may make additional discretionary contributions to the Plan, including, but not limited to, matching contributions equal to a percentage of participant pretax contributions not in excess of 6% of the participant's compensation determined annually. Any employer matching contribution is typically paid to the plan monthly and participants must be employed during the last pay period of the month to receive the monthly match. Employer matching contributions are allocated based on the personal investment choices of each participant. For the first, second, third and fourth quarters of 2015, the employer match on participant contributions was \$0.50, \$0.25, \$0.25, and \$0.25 of every eligible employee dollar contributed. For the first, second, third and fourth quarters of 2014, the employer match on participant contributions was \$0.35, \$0.35, \$0.25, and \$0.35 of every eligible employee dollar contributed.

The Plan permits catch-up contributions for participants who are age 50 or older and defer the maximum amount allowed under the Plan.

Contributions are excluded from participants' taxable income until such amounts are received by them as a distribution from the Plan.

The Plan provides for rollover contributions (amounts distributed to participants from certain other tax-qualified plans) and transfer contributions (amounts transferred from certain other tax-qualified plans) by or on behalf of an employee in accordance with procedures established by the Company.

APPLIED INDUSTRIAL TECHNOLOGIES, INC. RETIREMENT SAVINGS PLAN

NOTES TO FINANCIAL STATEMENTS YEARS ENDED DECEMBER 31, 2015 AND 2014

Investment of Contributions - Participants elect investment of matching and pretax contributions in 1% increments to any of several investment funds or options. The portion of the Plan that is invested in the Applied Industrial Technologies, Inc. Stock Fund is intended to be an Employee Stock Ownership Plan ("ESOP") under Code Section 4975 (e)(7) and ERISA Section 407 (d)(6).

Participants may elect to change their investment elections as to future contributions and may also elect to reallocate a portion or all of their account balances among the investment choices in increments of 1% of the total amount to be reallocated. All such elections are filed with the Trustee and become effective daily.

Vesting and Distributions - Each participant is immediately and fully vested in their participant contributions and earnings thereon. Participants vest in matching employer contributions and profit-sharing contributions at a rate of 25% for each year of eligible service, becoming completely vested after four years, or at death, termination of employment due to physical or mental disability (determined by the Company upon the basis of a written certificate of a physician selected by it), or normal retirement as defined in the Plan.

Upon termination of employment, participants may receive lump-sum or installment distributions of their vested account balances as soon as administratively possible. Distributions can be made in the form of Company stock, cash, or a combination thereof. The Plan permits hardship withdrawals, if the hardship criteria are met, or in-service distributions at age 59 1/2. Hardship withdrawals and in-service distributions can be taken from participant rollovers, salary deferrals, and catch-up contributions.

Forfeitures - Forfeitures of nonvested amounts are used to reduce future matching employer contributions. Total forfeitures were \$132,359 in 2015 and \$11,965 in 2014.

Participant Notes Receivable - Participants may borrow (from their pre-tax contributions, rollover contributions and transferred contributions) a minimum of \$1,000 up to a maximum equal to the lesser of \$50,000 or 50% of the aggregate sum of the participant's accounts. Participant notes receivable terms range from 1-5 years or up to 10 years if used for the purchase of a primary residence. Participant notes receivable that originated from merged plans are also reflected in participant notes receivable in the Plan's financial statements; these participant notes receivable are to be repaid to the Plan in accordance with their original terms. Participant notes receivable are collateralized by the balance in the participant's accounts and bear interest at market rates prevailing at the time the participant note receivable originated. Principal and interest are paid ratably through bi-weekly payroll deductions. Funds cannot be borrowed from Company contributions.

Plan Termination - The Plan was adopted with the expectation that it will continue indefinitely. The Company may, however, terminate the Plan at any time and may amend the Plan from time to time. In the event of termination of the Plan, all participants will immediately become fully vested in their accounts.

Tax Status of the Plan - The Plan obtained its latest determination letter dated September 17, 2013, 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. Although the Plan has been amended since receiving this determination letter, the Plan administrator believes that the Plan is designed and is currently being operated in compliance with the applicable requirements of the Internal Revenue Code. Therefore, no provision for income taxes has been included in the Plan's financial statements.

NOTES TO FINANCIAL STATEMENTS
YEARS ENDED DECEMBER 31, 2015 AND 2014

Party-in-interest Transactions - Certain plan assets are in investment funds managed by Wells Fargo or its affiliates. Wells Fargo is the trustee of the Plan; therefore, these transactions qualify as party-in-interest transactions as defined under ERISA guidelines.

2. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

The following is a summary of the significant accounting policies followed in the preparation of the Plan's financial statements.

Basis of Accounting - The accompanying financial statements have been prepared on the accrual basis of accounting.

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

Valuation of Investments - Investments are accounted for at cost on the trade date and are reported in the Statements of Net Assets Available For Benefits at fair value. The AMP Trust Columbia Trust Stable Income Fund, which is a common collective trust fund, is valued at net asset value per share (or its equivalent) of the funds, which are based on the fair value of the funds' underlying net assets. There were no unfunded commitments or redemption restrictions on the common collective trust funds. The investment in Applied Industrial Technologies, Inc. common stock is valued using the year-end closing price listed by the New York Stock Exchange. Mutual funds are stated at values using year-end closing prices for each of the funds or quoted market prices. See Note 4, "Fair Value Measurements" for additional disclosures relative to the fair value of the investments held in the Plan.

Participant Notes Receivable - Participant notes receivable are recorded at their unpaid principal balances plus any accrued interest. Participant notes receivable are written off when deemed uncollectible.

Risks and Uncertainties - In general, investment securities are exposed to various risks, such as interest rate, credit and overall market volatility risks. Due to the level of risk associated with investment securities, it is reasonably possible that changes in the values of investment securities could occur in the near term, and such changes could materially affect the amounts reported in the financial statements.

Benefit Payments - Distributions to participants are recorded by the Plan when payments are made.

Administrative Expenses - Administrative expenses of the Plan are paid by the Plan.

New Accounting Pronouncements - During 2015, the Plan adopted Accounting Standards Update (ASU) Nos. 2015-07, *Disclosures for Investments In Certain Entities that Calculate Net Asset Value per Share (or Its Equivalent)* and 2015-12, *Plan Accounting: Defined Benefit Pension Plans (Topic 960), Defined Contribution Pension Plans (Topic 962), and Health and Welfare Benefit Plans (Topic 965) - I, and III. Measurement Date Practical Expedient*. ASU No. 2015-17 amended ASC 820, *Fair Value Measurements*, and removed the requirement to categorize within the fair value hierarchy all investments for which fair value is measured using the net asset value per share as a practical expedient. Parts I and II of ASU No. 2015-12 were applicable to the Plan. Part I requires the fully benefit-responsive investment contract be recorded at contract value without presentation of fair value or the difference between fair value and contract value and reduces the related disclosures. Part II modified the investment disclosures under ASC 820 and 962. These standards were adopted retrospectively and had no impact on the Plan's net assets or changes in net assets.

NOTES TO FINANCIAL STATEMENTS
YEARS ENDED DECEMBER 31, 2015 AND 2014

Change in Presentation -- The presentation of the Plan's stable value fund, for 2014 has been changed to be consistent with the 2015 presentation. The fund is presented using Net Asset Value (NAV) per unit as a practical expedient for the fair value of the investment without presentation of contract value or the difference between fair value and contract value. This change in presentation resulted from ASU No. 2015-07, and had no effect on the Plan's net assets or changes in net assets.

3. INVESTMENTS

The Plan provides that, in accordance with the investment objectives established by the Company, the trustee of the Plan shall hold, invest, reinvest, manage and administer all assets of the Plan as a trust fund for the exclusive benefit of participants and their beneficiaries.

4. FAIR VALUE MEASUREMENTS

Accounting standards require certain assets and liabilities be reported at fair value on the financial statements and provide a framework for establishing that fair value. The framework for determining fair value is based on a hierarchy that prioritizes the inputs and valuation techniques used to measure fair value.

The Plan estimates the fair value of financial instruments using available market information and generally accepted valuation methodologies. Fair value is defined as the price that would be received to sell an asset or be paid to transfer a liability in an orderly transaction between market participants at the measurement date. The inputs used to measure fair value are classified into three tiers. These tiers include: Level 1, defined as observable inputs such as quoted prices in active markets; Level 2, defined as inputs other than quoted prices in active markets that are either directly or indirectly observable; and Level 3, defined as unobservable inputs in which little or no market data exists, therefore requiring an entity to develop its own assumptions.

In instances where inputs used to measure fair value fall into different levels of the fair value hierarchy, fair value measurements in their entirety are categorized based on the lowest level input that is significant to the valuation. The Plan's assessment of the significance of particular inputs to these fair value measurements require judgment and considers factors specific to each asset or liability.

The following tables present information about the Plan's assets measured at fair value on a recurring basis at December 31, 2015 and 2014, and the valuation techniques used by the Plan to determine those values. The Plan also holds other assets not measured at fair value on a recurring basis, including cash and participant notes receivable. The fair value of these assets approximates the carrying amounts in the accompanying financial statements due to either the short maturity of the instruments or the use of interest rates that approximate market rates for instruments of similar maturity.

Financial assets and liabilities measured at fair value on a recurring basis are as follows. There are currently no items categorized as Level 2 or 3 within the fair value hierarchy.

APPLIED INDUSTRIAL TECHNOLOGIES, INC. RETIREMENT SAVINGS PLAN

NOTES TO FINANCIAL STATEMENTS YEARS ENDED DECEMBER 31, 2015 AND 2014

		Fair Value Measurements at 12/31/15
	Recorded Value	Quoted Prices in Active Markets for Identical Instruments
	December 31, 2015	Level 1
Assets:		
Applied Industrial Technologies, Inc. Stock Fund	\$ 81,134,021	\$ 81,134,021
Mutual Funds	275,362,037	275,362,037
Total	\$ 356,496,058	\$ 356,496,058

Investments measured at NAV:

Common/collective trust fund: Stable value	\$ 54,744,758
Total investments at fair value	\$ 411,240,816

		Fair Value Measurements at 12/31/14
	Recorded Value	Quoted Prices in Active Markets for Identical Instruments
	December 31, 2014	Level 1
Assets:		
Applied Industrial Technologies, Inc. Stock Fund	\$ 102,098,475	\$ 102,098,475
Mutual Funds	290,509,056	290,509,056
Total	\$ 392,607,531	\$ 392,607,531

Investments measured at NAV:

Common/collective trust fund: Stable value	\$ 54,034,992
Total investments at fair value	\$ 446,642,523

The Plan's policy is to recognize transfers in and transfers out of level 1, 2, and 3 fair value classifications as of the actual date of the event of change in circumstances that caused the transfer.

5. NONPARTICIPANT-DIRECTED INVESTMENTS

During 2014, the Plan's only nonparticipant-directed transactions were contained within the Applied Industrial Technologies, Inc. Stock Fund, which included both participant and nonparticipant-directed transactions. As of January 1, 2015, the Plan was amended to eliminate nonparticipant-directed transactions into the Applied Industrial Technologies, Inc. Stock Fund. Information about the net assets

APPLIED INDUSTRIAL TECHNOLOGIES, INC. RETIREMENT SAVINGS PLAN

NOTES TO FINANCIAL STATEMENTS YEAR ENDED DECEMBER 31, 2014

and significant components of the changes in net assets relating to the Applied Industrial Technologies, Inc. Stock Fund for the year ended December 31, 2014 are as follows:

Net Assets:

Applied Industrial Technologies, Inc. Common Stock	\$	100,682,278
Wells Fargo Advantage Heritage Money Market Fund		1,416,197
Total Net Assets	\$	<u>102,098,475</u>

Change in Net Assets:

Contributions	\$	4,254,368
Dividends		2,231,605
Interest		1,666
Net (depreciation) appreciation in fair value		(7,547,162)
Benefits paid to participants		(7,604,461)
Transfers to other participant-directed investments, net		(5,487,674)
Administrative expenses		(96,271)
Total Change in Net Assets	\$	<u>(14,247,929)</u>

**APPLIED INDUSTRIAL TECHNOLOGIES, INC.
RETIREMENT SAVINGS PLAN**

**Employer ID Number: 34-0117420
Plan Number: 003**

**SCHEDULE H LINE 4(i) - SCHEDULE OF ASSETS (HELD AT END OF YEAR)
DECEMBER 31, 2015**

(a)	(b) Identity of Issuer, Borrower, Lessor or Similar Party	(c) Description of Investment	(d) Cost	(e) Current Value
* Applied Industrial Technologies, Inc. Stock Fund:				
	Applied Industrial Technologies, Inc.	Common Stock - 1,978,980 shares		\$ 80,128,900
	Wells Fargo Advantage Heritage	Money Market Fund - 956,378 shares		1,005,121
	Applied Industrial Technologies, Inc. Stock Fund Total			<u>81,134,021</u>
Common/Collective Trust Fund - at Contract Value				
	AMP Trust Columbia Trust Stable Income Fund		**	<u>54,744,758</u>
Fixed Income Funds				
	Lord Abbett Total Return	Mutual Fund - 4,362 shares	**	44,450
	Western Asset Tr-Core Bond Fund S	Mutual Fund - 1,662 shares	**	19,712
	Western Asset Core Bond	Mutual Fund - 3,773,535 shares	**	37,669,105
	Total Fixed Income Funds			<u>37,733,267</u>
Equity Funds				
	American Beacon Small-Cap Value	Mutual Fund - 20 shares	**	452
	Foreign Stock	Mutual Fund - 2,830,306 shares	**	28,539,860
	Large Core Stock	Mutual Fund - 4,405,383 shares	**	44,551,891
	Large Growth Stock	Mutual Fund - 1,045,743 shares	**	35,177,505
	Large Value Stock	Mutual Fund - 1,191,155 shares	**	12,072,439
	Mid Cap Core Stock	Mutual Fund - 511,860 shares	**	5,209,305
	Mid Cap Growth Stock	Mutual Fund - 2,465,290 shares	**	25,027,684
	Mid Cap Value Stock	Mutual Fund - 720,302 shares	**	7,342,290
	Vanguard Small Cap Index Adm	Mutual Fund - 69,870 shares	**	707,042
	Vanguard Russell 2000 Growth I	Mutual Fund - 1,328,508 shares	**	13,357,088
	American Beacon Small Cap Value I	Mutual Fund - 675,637 shares	**	6,824,404
	Principal Mid Cap Fund	Mutual Fund - 16 shares	**	331
	Vanguard Growth Index Fund	Mutual Fund - 20,193 shares	**	1,105,991
	Vanguard Mid-Cap Index	Mutual Fund - 2,578 shares	**	383,445
	Vanguard Russell 2000 Growth Index	Mutual Fund - 0 shares	**	2
	Vanguard Small-Cap Index	Mutual Fund - 11,734 shares	**	622,465
	Vanguard Total Int ST Index	Mutual Fund - 50,978 shares	**	1,235,705
	Vanguard Value Index Fund	Mutual Fund - 14,689 shares	**	467,409
	Vanguard 500 Index Fund	Mutual Fund - 47,637 shares	**	8,978,554
	Total Equity Funds			<u>191,603,862</u>

**APPLIED INDUSTRIAL TECHNOLOGIES, INC.
RETIREMENT SAVINGS PLAN**

**Employer ID Number: 34-0117420
Plan Number: 003**

**SCHEDULE H LINE 4(i) - SCHEDULE OF ASSETS (HELD AT END OF YEAR)
DECEMBER 31, 2015**

(a)	(b)	(c)	(d)	(e)
	Identity of Issuer, Borrower, Lessor or Similar Party	Description of Investment	Cost	Current Value
Retirement-Year Based Funds				
	Vanguard Chester/Target Retirement 2060	Mutual Fund - 3,823 shares	**	104,030
	Vanguard Target Retirement #308	Mutual Fund - 136,802 shares	**	1,703,188
	Vanguard Target Retirement 2010	Mutual Fund - 24,369 shares	**	606,312
	Vanguard Target Retirement 2015	Mutual Fund - 303,054 shares	**	4,312,464
	Vanguard Target Retirement 2020	Mutual Fund - 269,491 shares	**	7,316,686
	Vanguard Target Retirement 2025	Mutual Fund - 373,798 shares	**	5,838,721
	Vanguard Target Retirement 2030	Mutual Fund - 211,980 shares	**	5,876,074
	Vanguard Target Retirement 2035	Mutual Fund - 255,549 shares	**	4,303,442
	Vanguard Target Retirement 2040	Mutual Fund - 97,789 shares	**	2,782,103
	Vanguard Target Retirement 2045	Mutual Fund - 70,182 shares	**	1,247,841
	Vanguard Target Retirement 2050	Mutual Fund - 68,538 shares	**	1,952,655
	Vanguard Target Retirement 2055	Mutual Fund - 13,241 shares	**	408,220
	Total Retirement-Year Based Funds			<u>36,451,736</u>
Balanced Funds				
	DFA Global All 60/40 Portfolio	Mutual Fund - 951,005 shares	**	9,573,172
	Total Investments			<u>411,240,816</u>
Notes Receivable From Participants				
*	Participant notes receivable (with interest rates ranging from 4.25% to 10.90% and maturity dates ranging from January 2016 to April 2027)		**	7,644,218
	Total			<u><u>\$ 418,885,034</u></u>

* Represents a party-in-interest

** Indicates a participant-directed fund. The cost disclosure is not required.

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549**

**FORM 11-K
ANNUAL REPORT
PURSUANT TO SECTION 15(d) OF THE
SECURITIES EXCHANGE ACT OF 1934**

**[X] ANNUAL REPORT PURSUANT TO SECTION 15(d) OF THE SECURITIES EXCHANGE
ACT OF 1934**

For the fiscal year ended December 31, 2015.

**[] TRANSITION REPORT PURSUANT TO SECTION 15(d) OF THE SECURITIES
EXCHANGE ACT OF 1934**

For the transition period from _____ to _____.

Commission file number 1-2299

- A. Full title of the plan and the address of the plan, if different from that of the issuer named below:

Applied Industrial Technologies, Inc.
Retirement Savings Plan

- B. Name of issuer of the securities held pursuant to the plan and the address of its principal executive office:

Applied Industrial Technologies, Inc.
One Applied Plaza
Cleveland, Ohio 44115-5056

Financial Statements and Exhibit(s) (enclosed)

(a) Financial Statements

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23 Consent of Independent Registered Public Accounting Firm

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the Plan has duly caused this annual report to be signed on its behalf by the undersigned, hereunto duly authorized.

APPLIED INDUSTRIAL TECHNOLOGIES,
INC. RETIREMENT SAVINGS PLAN

By: Applied Industrial Technologies, Inc., as Plan
Administrator

By: /s/ Kurt W. Loring
Kurt W. Loring
Vice President-Chief Human Resources Officer

Date: June 27, 2016

**APPLIED INDUSTRIAL TECHNOLOGIES, INC.
RETIREMENT SAVINGS PLAN**

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Independent Auditor's Report

To the Investment and Advisory Committees
Applied Industrial Technologies, Inc. Retirement Savings Plan

Report on the Financial Statements

We have audited the accompanying financial statements of Applied Industrial Technologies, Inc. Retirement Savings Plan (the "Plan"), which comprise the statement of net assets available for benefits as of December 31, 2015 and 2014 and the related statement 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.

Auditor's Responsibility

Our responsibility is to express an opinion on these financial statements based on our audits. We conducted our audits in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audits to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

To the Investment and Advisory Committees
Applied Industrial Technologies, Inc. Retirement Savings Plan

Opinion

In our opinion, the financial statements referred to above present fairly, in all material respects, the net assets of the Plan as of December 31, 2015 and 2014, and the changes in net assets for the years then ended, in accordance with accounting principles generally accepted in the United States of America.

Report on Supplemental Information

Our audits were conducted for the purpose of forming an opinion on the financial statements as a whole. The supplemental schedule of assets held at end of year as of December 31, 2015 is presented for the purpose of additional analysis and is not a required part of the financial statements but are supplemental information required by the Department of Labor's (DOL) Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974 (ERISA). Such information is the responsibility of the Plan's management and was derived from and relates directly to the underlying accounting and other records used to prepare the financial statements. This information has been subjected to the auditing procedures applied in the audits of the financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the financial statements or to the financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, the supplemental information is fairly stated in all material respects in relation to the financial statements as a whole.

Plante & Moran, PLLC

Cleveland, Ohio
June 27, 2016

APPLIED INDUSTRIAL TECHNOLOGIES, INC.
RETIREMENT SAVINGS PLAN

STATEMENTS OF NET ASSETS AVAILABLE FOR BENEFITS
AS OF DECEMBER 31, 2015 AND 2014

	<u>2015</u>	<u>2014</u>
Assets:		
Cash	\$ —	\$ 19,095
Investments at fair value:	411,240,816	446,642,523
Participant notes receivable	<u>7,644,218</u>	<u>8,161,726</u>
Net assets available for plan benefits	<u>\$ 418,885,034</u>	<u>\$ 454,823,344</u>

See notes to financial statements.

**APPLIED INDUSTRIAL TECHNOLOGIES, INC.
RETIREMENT SAVINGS PLAN**

**STATEMENTS OF CHANGES IN NET ASSETS AVAILABLE FOR BENEFITS
FOR THE YEARS ENDED DECEMBER 31, 2015 AND 2014**

	<u>2015</u>	<u>2014</u>
Additions to net assets attributed to:		
Contributions:		
Participants	\$ 13,070,578	\$ 12,756,833
Participants' rollovers	5,231,885	3,400,269
Employer	2,995,014	2,975,924
Total contributions	<u>21,297,477</u>	<u>19,133,026</u>
Interest, Dividends, and Other	6,121,010	6,976,419
Net (depreciation) appreciation in fair value of investments:		
Applied Industrial Technologies, Inc. Stock Fund	(10,397,285)	(7,547,162)
Mutual funds	380,649	17,451,528
Total net (depreciation) appreciation in fair value of investments	<u>(10,016,636)</u>	<u>9,904,366</u>
Total investment (loss) income	<u>(3,895,626)</u>	<u>16,880,785</u>
Interest on participant notes receivable	<u>350,810</u>	<u>372,985</u>
Total additions	17,752,661	36,386,796
Deductions from net assets attributed to:		
Distributions to participants	(52,916,810)	(47,050,594)
Administrative expenses	(774,161)	(612,791)
Total deductions	<u>(53,690,971)</u>	<u>(47,663,385)</u>
Net (decrease) increase in net assets	(35,938,310)	(11,276,589)
Net assets available for benefits:		
Beginning of year	454,823,344	466,099,933
End of year	<u>\$ 418,885,034</u>	<u>\$ 454,823,344</u>

See notes to financial statements.

APPLIED INDUSTRIAL TECHNOLOGIES, INC. RETIREMENT SAVINGS PLAN

NOTES TO FINANCIAL STATEMENTS

YEARS ENDED DECEMBER 31, 2015 AND 2014

1. DESCRIPTION OF THE PLAN

The following description of the Applied Industrial Technologies, Inc. Retirement Savings Plan (the "Plan") is provided for general purposes only. Participants and users of the financial statements should refer to the Plan document for more complete information.

General - The Plan was established for the purpose of encouraging and assisting domestic employees of Applied Industrial Technologies, Inc. and its subsidiaries (the "Company") to provide long-term, tax-deferred savings for retirement. The Plan is subject to reporting and disclosure requirements, minimum participation and vesting standards, and fiduciary responsibility requirements of the Employee Retirement Income Security Act of 1974 ("ERISA").

Administration - The Plan is administered by the Company. The Company's powers and duties relate to making participant and employer contributions to the Plan, establishing investment options, authorizing disbursements from the Plan, and resolving any questions of Plan interpretation. The record keeper and trustee for the assets of the plan is Wells Fargo Bank, N.A. ("Wells Fargo").

Participant Accounts - Each participant's account is credited with the participant's contributions and allocations of (a) the Company's contributions and (b) Plan earnings (losses), and (c) administrative expenses. Allocated expenses are based on participant contributions, account balances, or can be per capita, as defined. The benefit to which a participant is entitled is the benefit that can be provided from the participant's vested portion of their account.

Participation and Contributions - All eligible employees may participate in the Plan after their first payroll period. Eligible employees may elect to make pretax contributions to the Plan ranging from 1% to 50% of compensation, subject to limitations under the Internal Revenue Code. All newly eligible employees are automatically enrolled into the Plan with an initial contribution rate of 2% after 30 days of employment if they have not made an affirmative election already.

The Company may make additional discretionary contributions to the Plan, including, but not limited to, matching contributions equal to a percentage of participant pretax contributions not in excess of 6% of the participant's compensation determined annually. Any employer matching contribution is typically paid to the plan monthly and participants must be employed during the last pay period of the month to receive the monthly match. Employer matching contributions are allocated based on the personal investment choices of each participant. For the first, second, third and fourth quarters of 2015, the employer match on participant contributions was \$0.50, \$0.25, \$0.25, and \$0.25 of every eligible employee dollar contributed. For the first, second, third and fourth quarters of 2014, the employer match on participant contributions was \$0.35, \$0.35, \$0.25, and \$0.35 of every eligible employee dollar contributed.

The Plan permits catch-up contributions for participants who are age 50 or older and defer the maximum amount allowed under the Plan.

Contributions are excluded from participants' taxable income until such amounts are received by them as a distribution from the Plan.

The Plan provides for rollover contributions (amounts distributed to participants from certain other tax-qualified plans) and transfer contributions (amounts transferred from certain other tax-qualified plans) by or on behalf of an employee in accordance with procedures established by the Company.

APPLIED INDUSTRIAL TECHNOLOGIES, INC. RETIREMENT SAVINGS PLAN

NOTES TO FINANCIAL STATEMENTS

YEARS ENDED DECEMBER 31, 2015 AND 2014

Investment of Contributions - Participants elect investment of matching and pretax contributions in 1% increments to any of several investment funds or options. The portion of the Plan that is invested in the Applied Industrial Technologies, Inc. Stock Fund is intended to be an Employee Stock Ownership Plan ("ESOP") under Code Section 4975 (e)(7) and ERISA Section 407 (d)(6).

Participants may elect to change their investment elections as to future contributions and may also elect to reallocate a portion or all of their account balances among the investment choices in increments of 1% of the total amount to be reallocated. All such elections are filed with the Trustee and become effective daily.

Vesting and Distributions - Each participant is immediately and fully vested in their participant contributions and earnings thereon. Participants vest in matching employer contributions and profit-sharing contributions at a rate of 25% for each year of eligible service, becoming completely vested after four years, or at death, termination of employment due to physical or mental disability (determined by the Company upon the basis of a written certificate of a physician selected by it), or normal retirement as defined in the Plan.

Upon termination of employment, participants may receive lump-sum or installment distributions of their vested account balances as soon as administratively possible. Distributions can be made in the form of Company stock, cash, or a combination thereof. The Plan permits hardship withdrawals, if the hardship criteria are met, or in-service distributions at age 59 1/2. Hardship withdrawals and in-service distributions can be taken from participant rollovers, salary deferrals, and catch-up contributions.

Forfeitures - Forfeitures of nonvested amounts are used to reduce future matching employer contributions. Total forfeitures were \$132,359 in 2015 and \$11,965 in 2014.

Participant Notes Receivable - Participants may borrow (from their pre-tax contributions, rollover contributions and transferred contributions) a minimum of \$1,000 up to a maximum equal to the lesser of \$50,000 or 50% of the aggregate sum of the participant's accounts. Participant notes receivable terms range from 1-5 years or up to 10 years if used for the purchase of a primary residence. Participant notes receivable that originated from merged plans are also reflected in participant notes receivable in the Plan's financial statements; these participant notes receivable are to be repaid to the Plan in accordance with their original terms. Participant notes receivable are collateralized by the balance in the participant's accounts and bear interest at market rates prevailing at the time the participant note receivable originated. Principal and interest are paid ratably through bi-weekly payroll deductions. Funds cannot be borrowed from Company contributions.

Plan Termination - The Plan was adopted with the expectation that it will continue indefinitely. The Company may, however, terminate the Plan at any time and may amend the Plan from time to time. In the event of termination of the Plan, all participants will immediately become fully vested in their accounts.

Tax Status of the Plan - The Plan obtained its latest determination letter dated September 17, 2013, 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. Although the Plan has been amended since receiving this determination letter, the Plan administrator believes that the Plan is designed and is currently being operated in compliance with the applicable requirements of the Internal Revenue Code. Therefore, no provision for income taxes has been included in the Plan's financial statements.

NOTES TO FINANCIAL STATEMENTS
YEARS ENDED DECEMBER 31, 2015 AND 2014

Party-in-interest Transactions - Certain plan assets are in investment funds managed by Wells Fargo or its affiliates. Wells Fargo is the trustee of the Plan; therefore, these transactions qualify as party-in-interest transactions as defined under ERISA guidelines.

2. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

The following is a summary of the significant accounting policies followed in the preparation of the Plan's financial statements.

Basis of Accounting - The accompanying financial statements have been prepared on the accrual basis of accounting.

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

Valuation of Investments - Investments are accounted for at cost on the trade date and are reported in the Statements of Net Assets Available For Benefits at fair value. The AMP Trust Columbia Trust Stable Income Fund, which is a common collective trust fund, is valued at net asset value per share (or its equivalent) of the funds, which are based on the fair value of the funds' underlying net assets. There were no unfunded commitments or redemption restrictions on the common collective trust funds. The investment in Applied Industrial Technologies, Inc. common stock is valued using the year-end closing price listed by the New York Stock Exchange. Mutual funds are stated at values using year-end closing prices for each of the funds or quoted market prices. See Note 4, "Fair Value Measurements" for additional disclosures relative to the fair value of the investments held in the Plan.

Participant Notes Receivable - Participant notes receivable are recorded at their unpaid principal balances plus any accrued interest. Participant notes receivable are written off when deemed uncollectible.

Risks and Uncertainties - In general, investment securities are exposed to various risks, such as interest rate, credit and overall market volatility risks. Due to the level of risk associated with investment securities, it is reasonably possible that changes in the values of investment securities could occur in the near term, and such changes could materially affect the amounts reported in the financial statements.

Benefit Payments - Distributions to participants are recorded by the Plan when payments are made.

Administrative Expenses - Administrative expenses of the Plan are paid by the Plan.

New Accounting Pronouncements - During 2015, the Plan adopted Accounting Standards Update (ASU) Nos. 2015-07, *Disclosures for Investments In Certain Entities that Calculate Net Asset Value per Share (or Its Equivalent)* and 2015-12, *Plan Accounting: Defined Benefit Pension Plans (Topic 960), Defined Contribution Pension Plans (Topic 962), and Health and Welfare Benefit Plans (Topic 965) - I, and III. Measurement Date Practical Expedient*. ASU No. 2015-17 amended ASC 820, *Fair Value Measurements*, and removed the requirement to categorize within the fair value hierarchy all investments for which fair value is measured using the net asset value per share as a practical expedient. Parts I and II of ASU No. 2015-12 were applicable to the Plan. Part I requires the fully benefit-responsive investment contract be recorded at contract value without presentation of fair value or the difference between fair value and contract value and reduces the related disclosures. Part II modified the investment disclosures under ASC 820 and 962. These standards were adopted retrospectively and had no impact on the Plan's net assets or changes in net assets.

NOTES TO FINANCIAL STATEMENTS
YEARS ENDED DECEMBER 31, 2015 AND 2014

Change in Presentation -- The presentation of the Plan's stable value fund, for 2014 has been changed to be consistent with the 2015 presentation. The fund is presented using Net Asset Value (NAV) per unit as a practical expedient for the fair value of the investment without presentation of contract value or the difference between fair value and contract value. This change in presentation resulted from ASU No. 2015-07, and had no effect on the Plan's net assets or changes in net assets.

3. INVESTMENTS

The Plan provides that, in accordance with the investment objectives established by the Company, the trustee of the Plan shall hold, invest, reinvest, manage and administer all assets of the Plan as a trust fund for the exclusive benefit of participants and their beneficiaries.

4. FAIR VALUE MEASUREMENTS

Accounting standards require certain assets and liabilities be reported at fair value on the financial statements and provide a framework for establishing that fair value. The framework for determining fair value is based on a hierarchy that prioritizes the inputs and valuation techniques used to measure fair value.

The Plan estimates the fair value of financial instruments using available market information and generally accepted valuation methodologies. Fair value is defined as the price that would be received to sell an asset or be paid to transfer a liability in an orderly transaction between market participants at the measurement date. The inputs used to measure fair value are classified into three tiers. These tiers include: Level 1, defined as observable inputs such as quoted prices in active markets; Level 2, defined as inputs other than quoted prices in active markets that are either directly or indirectly observable; and Level 3, defined as unobservable inputs in which little or no market data exists, therefore requiring an entity to develop its own assumptions.

In instances where inputs used to measure fair value fall into different levels of the fair value hierarchy, fair value measurements in their entirety are categorized based on the lowest level input that is significant to the valuation. The Plan's assessment of the significance of particular inputs to these fair value measurements require judgment and considers factors specific to each asset or liability.

The following tables present information about the Plan's assets measured at fair value on a recurring basis at December 31, 2015 and 2014, and the valuation techniques used by the Plan to determine those values. The Plan also holds other assets not measured at fair value on a recurring basis, including cash and participant notes receivable. The fair value of these assets approximates the carrying amounts in the accompanying financial statements due to either the short maturity of the instruments or the use of interest rates that approximate market rates for instruments of similar maturity.

Financial assets and liabilities measured at fair value on a recurring basis are as follows. There are currently no items categorized as Level 2 or 3 within the fair value hierarchy.

APPLIED INDUSTRIAL TECHNOLOGIES, INC. RETIREMENT SAVINGS PLAN

NOTES TO FINANCIAL STATEMENTS YEARS ENDED DECEMBER 31, 2015 AND 2014

		Fair Value Measurements at 12/31/15
	Recorded Value	Quoted Prices in Active Markets for Identical Instruments
	December 31, 2015	Level 1
Assets:		
Applied Industrial Technologies, Inc. Stock Fund	\$ 81,134,021	\$ 81,134,021
Mutual Funds	275,362,037	275,362,037
Total	\$ 356,496,058	\$ 356,496,058

Investments measured at NAV:

Common/collective trust fund: Stable value	\$ 54,744,758
Total investments at fair value	\$ 411,240,816

		Fair Value Measurements at 12/31/14
	Recorded Value	Quoted Prices in Active Markets for Identical Instruments
	December 31, 2014	Level 1
Assets:		
Applied Industrial Technologies, Inc. Stock Fund	\$ 102,098,475	\$ 102,098,475
Mutual Funds	290,509,056	290,509,056
Total	\$ 392,607,531	\$ 392,607,531

Investments measured at NAV:

Common/collective trust fund: Stable value	\$ 54,034,992
Total investments at fair value	\$ 446,642,523

The Plan's policy is to recognize transfers in and transfers out of level 1, 2, and 3 fair value classifications as of the actual date of the event of change in circumstances that caused the transfer.

5. NONPARTICIPANT-DIRECTED INVESTMENTS

During 2014, the Plan's only nonparticipant-directed transactions were contained within the Applied Industrial Technologies, Inc. Stock Fund, which included both participant and nonparticipant-directed transactions. As of January 1, 2015, the Plan was amended to eliminate nonparticipant-directed transactions into the Applied Industrial Technologies, Inc. Stock Fund. Information about the net assets

APPLIED INDUSTRIAL TECHNOLOGIES, INC. RETIREMENT SAVINGS PLAN

NOTES TO FINANCIAL STATEMENTS YEAR ENDED DECEMBER 31, 2014

and significant components of the changes in net assets relating to the Applied Industrial Technologies, Inc. Stock Fund for the year ended December 31, 2014 are as follows:

Net Assets:

Applied Industrial Technologies, Inc. Common Stock	\$	100,682,278
Wells Fargo Advantage Heritage Money Market Fund		1,416,197
Total Net Assets	\$	<u>102,098,475</u>

Change in Net Assets:

Contributions	\$	4,254,368
Dividends		2,231,605
Interest		1,666
Net (depreciation) appreciation in fair value		(7,547,162)
Benefits paid to participants		(7,604,461)
Transfers to other participant-directed investments, net		(5,487,674)
Administrative expenses		(96,271)
Total Change in Net Assets	\$	<u>(14,247,929)</u>

**APPLIED INDUSTRIAL TECHNOLOGIES, INC.
RETIREMENT SAVINGS PLAN**

**Employer ID Number: 34-0117420
Plan Number: 003**

**SCHEDULE H LINE 4(i) - SCHEDULE OF ASSETS (HELD AT END OF YEAR)
DECEMBER 31, 2015**

(a)	(b) Identity of Issuer, Borrower, Lessor or Similar Party	(c) Description of Investment	(d) Cost	(e) Current Value
* Applied Industrial Technologies, Inc. Stock Fund:				
	Applied Industrial Technologies, Inc.	Common Stock - 1,978,980 shares		\$ 80,128,900
	Wells Fargo Advantage Heritage	Money Market Fund - 956,378 shares		1,005,121
	Applied Industrial Technologies, Inc. Stock Fund Total			<u>81,134,021</u>
Common/Collective Trust Fund - at Contract Value				
	AMP Trust Columbia Trust Stable Income Fund		**	<u>54,744,758</u>
Fixed Income Funds				
	Lord Abbett Total Return	Mutual Fund - 4,362 shares	**	44,450
	Western Asset Tr-Core Bond Fund S	Mutual Fund - 1,662 shares	**	19,712
	Western Asset Core Bond	Mutual Fund - 3,773,535 shares	**	37,669,105
	Total Fixed Income Funds			<u>37,733,267</u>
Equity Funds				
	American Beacon Small-Cap Value	Mutual Fund - 20 shares	**	452
	Foreign Stock	Mutual Fund - 2,830,306 shares	**	28,539,860
	Large Core Stock	Mutual Fund - 4,405,383 shares	**	44,551,891
	Large Growth Stock	Mutual Fund - 1,045,743 shares	**	35,177,505
	Large Value Stock	Mutual Fund - 1,191,155 shares	**	12,072,439
	Mid Cap Core Stock	Mutual Fund - 511,860 shares	**	5,209,305
	Mid Cap Growth Stock	Mutual Fund - 2,465,290 shares	**	25,027,684
	Mid Cap Value Stock	Mutual Fund - 720,302 shares	**	7,342,290
	Vanguard Small Cap Index Adm	Mutual Fund - 69,870 shares	**	707,042
	Vanguard Russell 2000 Growth I	Mutual Fund - 1,328,508 shares	**	13,357,088
	American Beacon Small Cap Value I	Mutual Fund - 675,637 shares	**	6,824,404
	Principal Mid Cap Fund	Mutual Fund - 16 shares	**	331
	Vanguard Growth Index Fund	Mutual Fund - 20,193 shares	**	1,105,991
	Vanguard Mid-Cap Index	Mutual Fund - 2,578 shares	**	383,445
	Vanguard Russell 2000 Growth Index	Mutual Fund - 0 shares	**	2
	Vanguard Small-Cap Index	Mutual Fund - 11,734 shares	**	622,465
	Vanguard Total Int ST Index	Mutual Fund - 50,978 shares	**	1,235,705
	Vanguard Value Index Fund	Mutual Fund - 14,689 shares	**	467,409
	Vanguard 500 Index Fund	Mutual Fund - 47,637 shares	**	8,978,554
	Total Equity Funds			<u>191,603,862</u>

**APPLIED INDUSTRIAL TECHNOLOGIES, INC.
RETIREMENT SAVINGS PLAN**

**Employer ID Number: 34-0117420
Plan Number: 003**

**SCHEDULE H LINE 4(i) - SCHEDULE OF ASSETS (HELD AT END OF YEAR)
DECEMBER 31, 2015**

(a)	(b)	(c)	(d)	(e)
	Identity of Issuer, Borrower, Lessor or Similar Party	Description of Investment	Cost	Current Value
Retirement-Year Based Funds				
	Vanguard Chester/Target Retirement 2060	Mutual Fund - 3,823 shares	**	104,030
	Vanguard Target Retirement #308	Mutual Fund - 136,802 shares	**	1,703,188
	Vanguard Target Retirement 2010	Mutual Fund - 24,369 shares	**	606,312
	Vanguard Target Retirement 2015	Mutual Fund - 303,054 shares	**	4,312,464
	Vanguard Target Retirement 2020	Mutual Fund - 269,491 shares	**	7,316,686
	Vanguard Target Retirement 2025	Mutual Fund - 373,798 shares	**	5,838,721
	Vanguard Target Retirement 2030	Mutual Fund - 211,980 shares	**	5,876,074
	Vanguard Target Retirement 2035	Mutual Fund - 255,549 shares	**	4,303,442
	Vanguard Target Retirement 2040	Mutual Fund - 97,789 shares	**	2,782,103
	Vanguard Target Retirement 2045	Mutual Fund - 70,182 shares	**	1,247,841
	Vanguard Target Retirement 2050	Mutual Fund - 68,538 shares	**	1,952,655
	Vanguard Target Retirement 2055	Mutual Fund - 13,241 shares	**	408,220
	Total Retirement-Year Based Funds			<u>36,451,736</u>
Balanced Funds				
	DFA Global All 60/40 Portfolio	Mutual Fund - 951,005 shares	**	9,573,172
	Total Investments			<u>411,240,816</u>
Notes Receivable From Participants				
*	Participant notes receivable (with interest rates ranging from 4.25% to 10.90% and maturity dates ranging from January 2016 to April 2027)		**	7,644,218
	Total			<u>\$ 418,885,034</u>

* Represents a party-in-interest

** Indicates a participant-directed fund. The cost disclosure is not required.

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549**

**FORM 11-K
ANNUAL REPORT
PURSUANT TO SECTION 15(d) OF THE
SECURITIES EXCHANGE ACT OF 1934**

**[X] ANNUAL REPORT PURSUANT TO SECTION 15(d) OF THE SECURITIES EXCHANGE
ACT OF 1934**

For the fiscal year ended December 31, 2015.

**[] TRANSITION REPORT PURSUANT TO SECTION 15(d) OF THE SECURITIES
EXCHANGE ACT OF 1934**

For the transition period from _____ to _____.

Commission file number 1-2299

- A. Full title of the plan and the address of the plan, if different from that of the issuer named below:

Applied Industrial Technologies, Inc.
Retirement Savings Plan

- B. Name of issuer of the securities held pursuant to the plan and the address of its principal executive office:

Applied Industrial Technologies, Inc.
One Applied Plaza
Cleveland, Ohio 44115-5056

Financial Statements and Exhibit(s) (enclosed)

(a) Financial Statements

Report of Independent Registered Public Accounting Firm

Statements of Net Assets Available for Benefits
As of December 31, 2015 and 2014

Statement of Changes in Net Assets Available for Benefits
For the Years Ended December 31, 2015 and 2014

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(b) Exhibit(s)

23 Consent of Independent Registered Public Accounting Firm

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the Plan has duly caused this annual report to be signed on its behalf by the undersigned, hereunto duly authorized.

APPLIED INDUSTRIAL TECHNOLOGIES,
INC. RETIREMENT SAVINGS PLAN

By: Applied Industrial Technologies, Inc., as Plan
Administrator

By: /s/ Kurt W. Loring
Kurt W. Loring
Vice President-Chief Human Resources Officer

Date: June 27, 2016

**APPLIED INDUSTRIAL TECHNOLOGIES, INC.
RETIREMENT SAVINGS PLAN**

Financial Statements

For the Years Ended December 31, 2015 and 2014

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As of December 31, 2015 and For the Year Ended December 31, 2015

Report of Independent Registered Public Accounting Firm

APPLIED INDUSTRIAL TECHNOLOGIES, INC.
RETIREMENT SAVINGS PLAN

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Independent Auditor's Report

To the Investment and Advisory Committees
Applied Industrial Technologies, Inc. Retirement Savings Plan

Report on the Financial Statements

We have audited the accompanying financial statements of Applied Industrial Technologies, Inc. Retirement Savings Plan (the "Plan"), which comprise the statement of net assets available for benefits as of December 31, 2015 and 2014 and the related statement 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.

Auditor's Responsibility

Our responsibility is to express an opinion on these financial statements based on our audits. We conducted our audits in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audits to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

To the Investment and Advisory Committees
Applied Industrial Technologies, Inc. Retirement Savings Plan

Opinion

In our opinion, the financial statements referred to above present fairly, in all material respects, the net assets of the Plan as of December 31, 2015 and 2014, and the changes in net assets for the years then ended, in accordance with accounting principles generally accepted in the United States of America.

Report on Supplemental Information

Our audits were conducted for the purpose of forming an opinion on the financial statements as a whole. The supplemental schedule of assets held at end of year as of December 31, 2015 is presented for the purpose of additional analysis and is not a required part of the financial statements but are supplemental information required by the Department of Labor's (DOL) Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974 (ERISA). Such information is the responsibility of the Plan's management and was derived from and relates directly to the underlying accounting and other records used to prepare the financial statements. This information has been subjected to the auditing procedures applied in the audits of the financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the financial statements or to the financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, the supplemental information is fairly stated in all material respects in relation to the financial statements as a whole.

Plante & Moran, PLLC

Cleveland, Ohio
June 27, 2016

APPLIED INDUSTRIAL TECHNOLOGIES, INC.
RETIREMENT SAVINGS PLAN

STATEMENTS OF NET ASSETS AVAILABLE FOR BENEFITS
AS OF DECEMBER 31, 2015 AND 2014

	<u>2015</u>	<u>2014</u>
Assets:		
Cash	\$ —	\$ 19,095
Investments at fair value:	411,240,816	446,642,523
Participant notes receivable	<u>7,644,218</u>	<u>8,161,726</u>
Net assets available for plan benefits	<u>\$ 418,885,034</u>	<u>\$ 454,823,344</u>

See notes to financial statements.

**APPLIED INDUSTRIAL TECHNOLOGIES, INC.
RETIREMENT SAVINGS PLAN**

**STATEMENTS OF CHANGES IN NET ASSETS AVAILABLE FOR BENEFITS
FOR THE YEARS ENDED DECEMBER 31, 2015 AND 2014**

	<u>2015</u>	<u>2014</u>
Additions to net assets attributed to:		
Contributions:		
Participants	\$ 13,070,578	\$ 12,756,833
Participants' rollovers	5,231,885	3,400,269
Employer	2,995,014	2,975,924
Total contributions	<u>21,297,477</u>	<u>19,133,026</u>
Interest, Dividends, and Other	6,121,010	6,976,419
Net (depreciation) appreciation in fair value of investments:		
Applied Industrial Technologies, Inc. Stock Fund	(10,397,285)	(7,547,162)
Mutual funds	380,649	17,451,528
Total net (depreciation) appreciation in fair value of investments	<u>(10,016,636)</u>	<u>9,904,366</u>
Total investment (loss) income	<u>(3,895,626)</u>	<u>16,880,785</u>
Interest on participant notes receivable	<u>350,810</u>	<u>372,985</u>
Total additions	17,752,661	36,386,796
Deductions from net assets attributed to:		
Distributions to participants	(52,916,810)	(47,050,594)
Administrative expenses	(774,161)	(612,791)
Total deductions	<u>(53,690,971)</u>	<u>(47,663,385)</u>
Net (decrease) increase in net assets	(35,938,310)	(11,276,589)
Net assets available for benefits:		
Beginning of year	454,823,344	466,099,933
End of year	<u>\$ 418,885,034</u>	<u>\$ 454,823,344</u>

See notes to financial statements.

APPLIED INDUSTRIAL TECHNOLOGIES, INC. RETIREMENT SAVINGS PLAN

NOTES TO FINANCIAL STATEMENTS

YEARS ENDED DECEMBER 31, 2015 AND 2014

1. DESCRIPTION OF THE PLAN

The following description of the Applied Industrial Technologies, Inc. Retirement Savings Plan (the "Plan") is provided for general purposes only. Participants and users of the financial statements should refer to the Plan document for more complete information.

General - The Plan was established for the purpose of encouraging and assisting domestic employees of Applied Industrial Technologies, Inc. and its subsidiaries (the "Company") to provide long-term, tax-deferred savings for retirement. The Plan is subject to reporting and disclosure requirements, minimum participation and vesting standards, and fiduciary responsibility requirements of the Employee Retirement Income Security Act of 1974 ("ERISA").

Administration - The Plan is administered by the Company. The Company's powers and duties relate to making participant and employer contributions to the Plan, establishing investment options, authorizing disbursements from the Plan, and resolving any questions of Plan interpretation. The record keeper and trustee for the assets of the plan is Wells Fargo Bank, N.A. ("Wells Fargo").

Participant Accounts - Each participant's account is credited with the participant's contributions and allocations of (a) the Company's contributions and (b) Plan earnings (losses), and (c) administrative expenses. Allocated expenses are based on participant contributions, account balances, or can be per capita, as defined. The benefit to which a participant is entitled is the benefit that can be provided from the participant's vested portion of their account.

Participation and Contributions - All eligible employees may participate in the Plan after their first payroll period. Eligible employees may elect to make pretax contributions to the Plan ranging from 1% to 50% of compensation, subject to limitations under the Internal Revenue Code. All newly eligible employees are automatically enrolled into the Plan with an initial contribution rate of 2% after 30 days of employment if they have not made an affirmative election already.

The Company may make additional discretionary contributions to the Plan, including, but not limited to, matching contributions equal to a percentage of participant pretax contributions not in excess of 6% of the participant's compensation determined annually. Any employer matching contribution is typically paid to the plan monthly and participants must be employed during the last pay period of the month to receive the monthly match. Employer matching contributions are allocated based on the personal investment choices of each participant. For the first, second, third and fourth quarters of 2015, the employer match on participant contributions was \$0.50, \$0.25, \$0.25, and \$0.25 of every eligible employee dollar contributed. For the first, second, third and fourth quarters of 2014, the employer match on participant contributions was \$0.35, \$0.35, \$0.25, and \$0.35 of every eligible employee dollar contributed.

The Plan permits catch-up contributions for participants who are age 50 or older and defer the maximum amount allowed under the Plan.

Contributions are excluded from participants' taxable income until such amounts are received by them as a distribution from the Plan.

The Plan provides for rollover contributions (amounts distributed to participants from certain other tax-qualified plans) and transfer contributions (amounts transferred from certain other tax-qualified plans) by or on behalf of an employee in accordance with procedures established by the Company.

APPLIED INDUSTRIAL TECHNOLOGIES, INC. RETIREMENT SAVINGS PLAN

NOTES TO FINANCIAL STATEMENTS

YEARS ENDED DECEMBER 31, 2015 AND 2014

Investment of Contributions - Participants elect investment of matching and pretax contributions in 1% increments to any of several investment funds or options. The portion of the Plan that is invested in the Applied Industrial Technologies, Inc. Stock Fund is intended to be an Employee Stock Ownership Plan ("ESOP") under Code Section 4975 (e)(7) and ERISA Section 407 (d)(6).

Participants may elect to change their investment elections as to future contributions and may also elect to reallocate a portion or all of their account balances among the investment choices in increments of 1% of the total amount to be reallocated. All such elections are filed with the Trustee and become effective daily.

Vesting and Distributions - Each participant is immediately and fully vested in their participant contributions and earnings thereon. Participants vest in matching employer contributions and profit-sharing contributions at a rate of 25% for each year of eligible service, becoming completely vested after four years, or at death, termination of employment due to physical or mental disability (determined by the Company upon the basis of a written certificate of a physician selected by it), or normal retirement as defined in the Plan.

Upon termination of employment, participants may receive lump-sum or installment distributions of their vested account balances as soon as administratively possible. Distributions can be made in the form of Company stock, cash, or a combination thereof. The Plan permits hardship withdrawals, if the hardship criteria are met, or in-service distributions at age 59 1/2. Hardship withdrawals and in-service distributions can be taken from participant rollovers, salary deferrals, and catch-up contributions.

Forfeitures - Forfeitures of nonvested amounts are used to reduce future matching employer contributions. Total forfeitures were \$132,359 in 2015 and \$11,965 in 2014.

Participant Notes Receivable - Participants may borrow (from their pre-tax contributions, rollover contributions and transferred contributions) a minimum of \$1,000 up to a maximum equal to the lesser of \$50,000 or 50% of the aggregate sum of the participant's accounts. Participant notes receivable terms range from 1-5 years or up to 10 years if used for the purchase of a primary residence. Participant notes receivable that originated from merged plans are also reflected in participant notes receivable in the Plan's financial statements; these participant notes receivable are to be repaid to the Plan in accordance with their original terms. Participant notes receivable are collateralized by the balance in the participant's accounts and bear interest at market rates prevailing at the time the participant note receivable originated. Principal and interest are paid ratably through bi-weekly payroll deductions. Funds cannot be borrowed from Company contributions.

Plan Termination - The Plan was adopted with the expectation that it will continue indefinitely. The Company may, however, terminate the Plan at any time and may amend the Plan from time to time. In the event of termination of the Plan, all participants will immediately become fully vested in their accounts.

Tax Status of the Plan - The Plan obtained its latest determination letter dated September 17, 2013, 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. Although the Plan has been amended since receiving this determination letter, the Plan administrator believes that the Plan is designed and is currently being operated in compliance with the applicable requirements of the Internal Revenue Code. Therefore, no provision for income taxes has been included in the Plan's financial statements.

NOTES TO FINANCIAL STATEMENTS
YEARS ENDED DECEMBER 31, 2015 AND 2014

Party-in-interest Transactions - Certain plan assets are in investment funds managed by Wells Fargo or its affiliates. Wells Fargo is the trustee of the Plan; therefore, these transactions qualify as party-in-interest transactions as defined under ERISA guidelines.

2. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

The following is a summary of the significant accounting policies followed in the preparation of the Plan's financial statements.

Basis of Accounting - The accompanying financial statements have been prepared on the accrual basis of accounting.

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

Valuation of Investments - Investments are accounted for at cost on the trade date and are reported in the Statements of Net Assets Available For Benefits at fair value. The AMP Trust Columbia Trust Stable Income Fund, which is a common collective trust fund, is valued at net asset value per share (or its equivalent) of the funds, which are based on the fair value of the funds' underlying net assets. There were no unfunded commitments or redemption restrictions on the common collective trust funds. The investment in Applied Industrial Technologies, Inc. common stock is valued using the year-end closing price listed by the New York Stock Exchange. Mutual funds are stated at values using year-end closing prices for each of the funds or quoted market prices. See Note 4, "Fair Value Measurements" for additional disclosures relative to the fair value of the investments held in the Plan.

Participant Notes Receivable - Participant notes receivable are recorded at their unpaid principal balances plus any accrued interest. Participant notes receivable are written off when deemed uncollectible.

Risks and Uncertainties - In general, investment securities are exposed to various risks, such as interest rate, credit and overall market volatility risks. Due to the level of risk associated with investment securities, it is reasonably possible that changes in the values of investment securities could occur in the near term, and such changes could materially affect the amounts reported in the financial statements.

Benefit Payments - Distributions to participants are recorded by the Plan when payments are made.

Administrative Expenses - Administrative expenses of the Plan are paid by the Plan.

New Accounting Pronouncements - During 2015, the Plan adopted Accounting Standards Update (ASU) Nos. 2015-07, *Disclosures for Investments In Certain Entities that Calculate Net Asset Value per Share (or Its Equivalent)* and 2015-12, *Plan Accounting: Defined Benefit Pension Plans (Topic 960), Defined Contribution Pension Plans (Topic 962), and Health and Welfare Benefit Plans (Topic 965) - I, and III. Measurement Date Practical Expedient*. ASU No. 2015-17 amended ASC 820, *Fair Value Measurements*, and removed the requirement to categorize within the fair value hierarchy all investments for which fair value is measured using the net asset value per share as a practical expedient. Parts I and II of ASU No. 2015-12 were applicable to the Plan. Part I requires the fully benefit-responsive investment contract be recorded at contract value without presentation of fair value or the difference between fair value and contract value and reduces the related disclosures. Part II modified the investment disclosures under ASC 820 and 962. These standards were adopted retrospectively and had no impact on the Plan's net assets or changes in net assets.

NOTES TO FINANCIAL STATEMENTS
YEARS ENDED DECEMBER 31, 2015 AND 2014

Change in Presentation -- The presentation of the Plan's stable value fund, for 2014 has been changed to be consistent with the 2015 presentation. The fund is presented using Net Asset Value (NAV) per unit as a practical expedient for the fair value of the investment without presentation of contract value or the difference between fair value and contract value. This change in presentation resulted from ASU No. 2015-07, and had no effect on the Plan's net assets or changes in net assets.

3. INVESTMENTS

The Plan provides that, in accordance with the investment objectives established by the Company, the trustee of the Plan shall hold, invest, reinvest, manage and administer all assets of the Plan as a trust fund for the exclusive benefit of participants and their beneficiaries.

4. FAIR VALUE MEASUREMENTS

Accounting standards require certain assets and liabilities be reported at fair value on the financial statements and provide a framework for establishing that fair value. The framework for determining fair value is based on a hierarchy that prioritizes the inputs and valuation techniques used to measure fair value.

The Plan estimates the fair value of financial instruments using available market information and generally accepted valuation methodologies. Fair value is defined as the price that would be received to sell an asset or be paid to transfer a liability in an orderly transaction between market participants at the measurement date. The inputs used to measure fair value are classified into three tiers. These tiers include: Level 1, defined as observable inputs such as quoted prices in active markets; Level 2, defined as inputs other than quoted prices in active markets that are either directly or indirectly observable; and Level 3, defined as unobservable inputs in which little or no market data exists, therefore requiring an entity to develop its own assumptions.

In instances where inputs used to measure fair value fall into different levels of the fair value hierarchy, fair value measurements in their entirety are categorized based on the lowest level input that is significant to the valuation. The Plan's assessment of the significance of particular inputs to these fair value measurements require judgment and considers factors specific to each asset or liability.

The following tables present information about the Plan's assets measured at fair value on a recurring basis at December 31, 2015 and 2014, and the valuation techniques used by the Plan to determine those values. The Plan also holds other assets not measured at fair value on a recurring basis, including cash and participant notes receivable. The fair value of these assets approximates the carrying amounts in the accompanying financial statements due to either the short maturity of the instruments or the use of interest rates that approximate market rates for instruments of similar maturity.

Financial assets and liabilities measured at fair value on a recurring basis are as follows. There are currently no items categorized as Level 2 or 3 within the fair value hierarchy.

APPLIED INDUSTRIAL TECHNOLOGIES, INC. RETIREMENT SAVINGS PLAN

NOTES TO FINANCIAL STATEMENTS YEARS ENDED DECEMBER 31, 2015 AND 2014

		Fair Value Measurements at 12/31/15
	Recorded Value	Quoted Prices in Active Markets for Identical Instruments
	December 31, 2015	Level 1
Assets:		
Applied Industrial Technologies, Inc. Stock Fund	\$ 81,134,021	\$ 81,134,021
Mutual Funds	275,362,037	275,362,037
Total	\$ 356,496,058	\$ 356,496,058

Investments measured at NAV:

Common/collective trust fund: Stable value	\$ 54,744,758
Total investments at fair value	\$ 411,240,816

		Fair Value Measurements at 12/31/14
	Recorded Value	Quoted Prices in Active Markets for Identical Instruments
	December 31, 2014	Level 1
Assets:		
Applied Industrial Technologies, Inc. Stock Fund	\$ 102,098,475	\$ 102,098,475
Mutual Funds	290,509,056	290,509,056
Total	\$ 392,607,531	\$ 392,607,531

Investments measured at NAV:

Common/collective trust fund: Stable value	\$ 54,034,992
Total investments at fair value	\$ 446,642,523

The Plan's policy is to recognize transfers in and transfers out of level 1, 2, and 3 fair value classifications as of the actual date of the event of change in circumstances that caused the transfer.

5. NONPARTICIPANT-DIRECTED INVESTMENTS

During 2014, the Plan's only nonparticipant-directed transactions were contained within the Applied Industrial Technologies, Inc. Stock Fund, which included both participant and nonparticipant-directed transactions. As of January 1, 2015, the Plan was amended to eliminate nonparticipant-directed transactions into the Applied Industrial Technologies, Inc. Stock Fund. Information about the net assets

APPLIED INDUSTRIAL TECHNOLOGIES, INC. RETIREMENT SAVINGS PLAN

NOTES TO FINANCIAL STATEMENTS YEAR ENDED DECEMBER 31, 2014

and significant components of the changes in net assets relating to the Applied Industrial Technologies, Inc. Stock Fund for the year ended December 31, 2014 are as follows:

Net Assets:

Applied Industrial Technologies, Inc. Common Stock	\$	100,682,278
Wells Fargo Advantage Heritage Money Market Fund		1,416,197
Total Net Assets	\$	<u>102,098,475</u>

Change in Net Assets:

Contributions	\$	4,254,368
Dividends		2,231,605
Interest		1,666
Net (depreciation) appreciation in fair value		(7,547,162)
Benefits paid to participants		(7,604,461)
Transfers to other participant-directed investments, net		(5,487,674)
Administrative expenses		(96,271)
Total Change in Net Assets	\$	<u>(14,247,929)</u>

**APPLIED INDUSTRIAL TECHNOLOGIES, INC.
RETIREMENT SAVINGS PLAN**

**Employer ID Number: 34-0117420
Plan Number: 003**

**SCHEDULE H LINE 4(i) - SCHEDULE OF ASSETS (HELD AT END OF YEAR)
DECEMBER 31, 2015**

(a)	(b) Identity of Issuer, Borrower, Lessor or Similar Party	(c) Description of Investment	(d) Cost	(e) Current Value
* Applied Industrial Technologies, Inc. Stock Fund:				
	Applied Industrial Technologies, Inc.	Common Stock - 1,978,980 shares		\$ 80,128,900
	Wells Fargo Advantage Heritage	Money Market Fund - 956,378 shares		1,005,121
	Applied Industrial Technologies, Inc. Stock Fund Total			<u>81,134,021</u>
Common/Collective Trust Fund - at Contract Value				
	AMP Trust Columbia Trust Stable Income Fund		**	<u>54,744,758</u>
Fixed Income Funds				
	Lord Abbett Total Return	Mutual Fund - 4,362 shares	**	44,450
	Western Asset Tr-Core Bond Fund S	Mutual Fund - 1,662 shares	**	19,712
	Western Asset Core Bond	Mutual Fund - 3,773,535 shares	**	37,669,105
	Total Fixed Income Funds			<u>37,733,267</u>
Equity Funds				
	American Beacon Small-Cap Value	Mutual Fund - 20 shares	**	452
	Foreign Stock	Mutual Fund - 2,830,306 shares	**	28,539,860
	Large Core Stock	Mutual Fund - 4,405,383 shares	**	44,551,891
	Large Growth Stock	Mutual Fund - 1,045,743 shares	**	35,177,505
	Large Value Stock	Mutual Fund - 1,191,155 shares	**	12,072,439
	Mid Cap Core Stock	Mutual Fund - 511,860 shares	**	5,209,305
	Mid Cap Growth Stock	Mutual Fund - 2,465,290 shares	**	25,027,684
	Mid Cap Value Stock	Mutual Fund - 720,302 shares	**	7,342,290
	Vanguard Small Cap Index Adm	Mutual Fund - 69,870 shares	**	707,042
	Vanguard Russell 2000 Growth I	Mutual Fund - 1,328,508 shares	**	13,357,088
	American Beacon Small Cap Value I	Mutual Fund - 675,637 shares	**	6,824,404
	Principal Mid Cap Fund	Mutual Fund - 16 shares	**	331
	Vanguard Growth Index Fund	Mutual Fund - 20,193 shares	**	1,105,991
	Vanguard Mid-Cap Index	Mutual Fund - 2,578 shares	**	383,445
	Vanguard Russell 2000 Growth Index	Mutual Fund - 0 shares	**	2
	Vanguard Small-Cap Index	Mutual Fund - 11,734 shares	**	622,465
	Vanguard Total Int ST Index	Mutual Fund - 50,978 shares	**	1,235,705
	Vanguard Value Index Fund	Mutual Fund - 14,689 shares	**	467,409
	Vanguard 500 Index Fund	Mutual Fund - 47,637 shares	**	8,978,554
	Total Equity Funds			<u>191,603,862</u>

**APPLIED INDUSTRIAL TECHNOLOGIES, INC.
RETIREMENT SAVINGS PLAN**

**Employer ID Number: 34-0117420
Plan Number: 003**

**SCHEDULE H LINE 4(i) - SCHEDULE OF ASSETS (HELD AT END OF YEAR)
DECEMBER 31, 2015**

(a)	(b)	(c)	(d)	(e)
Identity of Issuer, Borrower, Lessor or Similar Party		Description of Investment	Cost	Current Value
Retirement-Year Based Funds				
Vanguard Chester/Target Retirement 2060		Mutual Fund - 3,823 shares	**	104,030
Vanguard Target Retirement #308		Mutual Fund - 136,802 shares	**	1,703,188
Vanguard Target Retirement 2010		Mutual Fund - 24,369 shares	**	606,312
Vanguard Target Retirement 2015		Mutual Fund - 303,054 shares	**	4,312,464
Vanguard Target Retirement 2020		Mutual Fund - 269,491 shares	**	7,316,686
Vanguard Target Retirement 2025		Mutual Fund - 373,798 shares	**	5,838,721
Vanguard Target Retirement 2030		Mutual Fund - 211,980 shares	**	5,876,074
Vanguard Target Retirement 2035		Mutual Fund - 255,549 shares	**	4,303,442
Vanguard Target Retirement 2040		Mutual Fund - 97,789 shares	**	2,782,103
Vanguard Target Retirement 2045		Mutual Fund - 70,182 shares	**	1,247,841
Vanguard Target Retirement 2050		Mutual Fund - 68,538 shares	**	1,952,655
Vanguard Target Retirement 2055		Mutual Fund - 13,241 shares	**	408,220
Total Retirement-Year Based Funds				<u>36,451,736</u>
Balanced Funds				
DFA Global All 60/40 Portfolio		Mutual Fund - 951,005 shares	**	<u>9,573,172</u>
Total Investments				<u>411,240,816</u>
Notes Receivable From Participants				
* Participant notes receivable (with interest rates ranging from 4.25% to 10.90% and maturity dates ranging from January 2016 to April 2027)			**	<u>7,644,218</u>
Total				<u><u>\$ 418,885,034</u></u>

* Represents a party-in-interest

** Indicates a participant-directed fund. The cost disclosure is not required.