

SCHATZ DOUGLAS S  
Form 4  
December 31, 2009

**FORM 4**

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

OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
SCHATZ DOUGLAS S & SCHATZ  
JILL E FAMILY TRUST

2. Issuer Name and Ticker or Trading Symbol  
ADVANCED ENERGY  
INDUSTRIES INC [AEIS]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)  
PO BOX 481

3. Date of Earliest Transaction  
(Month/Day/Year)  
12/29/2009

\_\_\_\_ Director  
\_\_\_\_ Officer (give title below)  
 10% Owner  
\_\_\_\_ Other (specify below)

(Street)  
FORT COLLINS, CO 80522

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)  
\_\_\_\_ Form filed by One Reporting Person  
 Form filed by More than One Reporting Person

(City) (State) (Zip)

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)		
			Code	V	Amount or Price				
Common Stock	12/29/2009		S		100	D	\$ 14.568	6,645,294 <sup>(1)</sup> <u>(2) (3)</u>	D
Common Stock	12/29/2009		S		536	D	\$ 14.57	6,644,758 <sup>(1)</sup> <u>(2) (3)</u>	D
Common Stock	12/29/2009		S		2	D	\$ 14.573	6,644,756 <sup>(1)</sup> <u>(2) (3)</u>	D
Common Stock	12/29/2009		S		400	D	\$ 14.58	6,644,356 <sup>(1)</sup> <u>(2) (3)</u>	D
Common Stock	12/29/2009		S		300	D	\$ 14.59	6,644,056 <sup>(1)</sup> <u>(2) (3)</u>	D

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Common Stock	12/29/2009	S	200	D	\$ 14.6001	6,643,856 <sup>(1)</sup> <u>(2) (3)</u>	D
Common Stock	12/29/2009	S	100	D	\$ 14.61	6,643,756 <sup>(1)</sup> <u>(2) (3)</u>	D
Common Stock	12/29/2009	S	100	D	\$ 14.6101	6,643,656 <sup>(1)</sup> <u>(2) (3)</u>	D
Common Stock	12/29/2009	S	100	D	\$ 14.6112	6,643,556 <sup>(1)</sup> <u>(2) (3)</u>	D
Common Stock	12/29/2009	S	100	D	\$ 14.618	6,643,456 <sup>(1)</sup> <u>(2) (3)</u>	D
Common Stock	12/29/2009	S	800	D	\$ 14.6301	6,642,656 <sup>(1)</sup> <u>(2) (3)</u>	D
Common Stock	12/29/2009	S	100	D	\$ 14.633	6,642,556 <sup>(1)</sup> <u>(2) (3)</u>	D
Common Stock	12/29/2009	S	500	D	\$ 14.634	6,642,056 <sup>(1)</sup> <u>(2) (3)</u>	D
Common Stock	12/29/2009	S	292	D	\$ 14.64	6,641,764 <sup>(1)</sup> <u>(2) (3)</u>	D

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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(9-02)

**Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned**  
(e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of Derivative Securities Beneficially Owned Following Reported Transaction (Instr. 6)
						Date Exercisable	Expiration Date	Title	Amount or Number of Shares
						Code	V	(A)	(D)

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
SCHATZ DOUGLAS S & SCHATZ JILL E FAMILY TRUST PO BOX 481 FORT COLLINS, CO 80522		X		
SCHATZ DOUGLAS S P.O. BOX 481 FORT COLLINS, CO 80522	X			
Schatz Jill E P.O. BOX 481 FORT COLLINS, CO 80522		X		

## Signatures

/s/ Thomas O. McGimpsey  
(Attorney-in-Fact)

12/31/2009

\*\*Signature of Reporting Person

Date

## Explanation of Responses:

- \* If the form is filed by more than one reporting person, *see* Instruction 4(b)(v).
- \*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations. *See* 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- (1) These shares are owned directly by Douglas S. Schatz & Jill E. Schatz Family Trust, a ten percent owner of the issuer, and indirectly by Douglas S. Schatz and Jill E. Schatz, co-trustees of the trust.
- (2) Includes 26,350 shares of restricted stock units held directly by Douglas S. Schatz, who is a director of the Issuer.
- (3) The Sales reported in this Form 4 were effected pursuant to a Rule 10b5-1 Plan.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.