

ADVANCED ENERGY INDUSTRIES INC  
 Form 4  
 March 16, 2006

**FORM 4**

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

OMB APPROVAL

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**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 \*  
 Hartman Mark D

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)  
 1625 SHARP POINT DRIVE  
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)  
 03/14/2006

\_\_\_\_ Director \_\_\_\_\_ 10% Owner  
 Officer (give title below) \_\_\_\_\_ Other (specify below)  
 Principal Fincl & Actg Officer

FORT COLLINS, CO 80525  
 (City) (State) (Zip)

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

**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 Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price
Common Stock	03/14/2006		A		1,500	A	<u>(1)</u> 3,933 <u>(2)</u>

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

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SEC 1474 (9-02)

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

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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)	Amount or Number of Shares
				Code V (A) (D)		Date Exercisable Expiration Date	Title	
Employee Stock Option (right to buy)	\$ 22.3					02/11/2005 <sup>(3)</sup> 02/11/2014	Common Stock	4,000
Employee Stock Option (right to buy)	\$ 22.52					10/15/2004 <sup>(3)</sup> 10/15/2013	Common Stock	1,250
Employee Stock Option (right to buy)	\$ 19.24					07/23/2004 <sup>(3)</sup> 07/23/2013	Common Stock	1,250
Employee Stock Option (right to buy)	\$ 7.61					04/16/2004 <sup>(4)</sup> 04/16/2013	Common Stock	1,250
Employee Stock Option (right to buy)	\$ 9.12					02/12/2004 <sup>(4)</sup> 02/12/2013	Common Stock	1,250
Employee Stock Option (right to buy)	\$ 7.7					10/17/2003 <sup>(4)</sup> 10/17/2012	Common Stock	600
Employee Stock Option (right to buy)	\$ 17.85					07/18/2003 <sup>(3)</sup> 07/18/2012	Common Stock	600
	\$ 38.55					04/16/2003 <sup>(3)</sup> 04/16/2012		600

Employee  
Stock  
Option  
(right to  
buy)

Common  
Stock

Employee  
Stock  
Option \$ 24.9  
(right to  
buy)

02/12/2003<sup>(3)</sup> 02/12/2012

Common  
Stock

60

Employee  
Stock  
Option \$ 14.1 03/14/2006  
(right to  
buy)

A 10,000

03/14/2007<sup>(5)</sup> 03/14/2016

Common  
Stock

10,0

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Hartman Mark D 1625 SHARP POINT DRIVE FORT COLLINS, CO 80525			Principal Fincl & Actg Officer	

## Signatures

/s/ Mary K. Derr -  
Attorney-in-Fact 03/16/2006

\*\*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) Represents shares of restricted stock units.
- (2) Includes 3,100 shares of restricted stock units.

- (3) The options dated 02/11/04, 10/15/2003, 07/23/2003, 07/18/2002, 04/16/2002 and 02/12/2002 are such that 25% of the options became exercisable on the first anniversary following the date of grant, and the remaining options became exercisable in equal increments each quarter for 3 years thereafter until October 18, 2005 at which time they became fully vested.
- (4) Stock options dated 04/16/2003, 02/12/2003 and 10/17/2002 are such that 25% of the shares become exercisable on the first anniversary following the date of grant, and the remaining shares become exercisable in equal increments each quarter for 3 years thereafter.
- (5) Stock options dated 03/14/2006 are such that 25% of the options become exercisable on the first anniversary following the date of grant and the remaining options become exercisable in equal increments each year for 3 years thereafter.
- (6) Mr. Hartman has Employee Stock Options (right to buy) for a total of 21,400 shares of Common Stock.

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.