BETZ HANS GEORG DR

Form 4 May 19, 2010

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

3235-0287

OMB APPROVAL

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Check this box

Form 5 obligations may continue. See Instruction

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

1(b).

(Last)

(City)

Common

Stock

(Print or Type Responses)

1. Name and Address of Reporting Person *

(First)

(Street)

(State)

05/17/2010

BETZ HANS GEORG DR

2. Issuer Name and Ticker or Trading

Symbol

ADVANCED ENERGY **INDUSTRIES INC [AEIS]**

3. Date of Earliest Transaction

(Month/Day/Year)

05/17/2010

4. If Amendment, Date Original

(Middle)

(Zip)

Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to

Issuer

(Check all applicable)

_X__ Director 10% Owner X_ Officer (give title Other (specify below)

below) **CEO**

6. Individual or Joint/Group Filing(Check

Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

Person

FORT COLLINS, CO 80525

1625 SHARP POINT DRIVE

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 1. Title of 2. Transaction Date 2A. Deemed Security (Month/Day/Year) Execution Date, if (Instr. 3) (Month/Day/Year)

3. 4. Securities Acquired Transaction(A) or Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8)

5. Amount of Securities Beneficially Owned Following

6. Ownership 7. Nature of Form: Direct Indirect (D) or Beneficial Indirect (I) Ownership (Instr. 4) (Instr. 4)

(9-02)

Reported (A) Transaction(s) (Instr. 3 and 4)

12.66

Code V Amount (D) Price

2,331 \$ S D

(1)

66,658 (2)

D

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

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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	2. Conversion	3. Transaction Date (Month/Day/Year)		4. Transaction	5.	6. Date Exerc Expiration D		7. Title Amoun		8. Price of Derivative	9. Nu Deriv
Security (Instr. 3)	or Exercise Price of Derivative Security	(Monus Day/Tear)	(Month/Day/Year)	Code (Instr. 8)	of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	(Month/Day/		Underly Securit	ying	Security (Instr. 5)	Secur Bene Owne Follo Repo Trans (Instr
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title I	Amount or Number of Shares		

Reporting Owners

Reporting Owner Name / Address	Relationships						
F-	Director	10% Owner	Officer	Other			
BETZ HANS GEORG DR							
1625 SHARP POINT DRIVE	X		CEO				
FORT COLLINS, CO 80525							

Signatures

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

**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) Payment of tax liability by withholding securities incident to vesting of restricted stock units.
- (2) Includes 66,658 shares of Restricted Stock Units. As of the reporting date 46,032 are vested.

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.

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