BETZ HANS GEORG DR

Form 4

October 29, 2009

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB

3235-0287 Number:

OMB APPROVAL

January 31, Expires: 2005

0.5

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if no longer subject to Section 16. Form 4 or Form 5 obligations

may continue.

See Instruction

Check this box

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).

(Print or Type Responses)

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading BETZ HANS GEORG DR Issuer Symbol ADVANCED ENERGY (Check all applicable) **INDUSTRIES INC [AEIS]** (Last) (First) (Middle) 3. Date of Earliest Transaction _X__ Director 10% Owner X_ Officer (give title Other (specify (Month/Day/Year) below) 1625 SHARP POINT DRIVE 10/27/2009 President & CEO

(Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year)

Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person

FORT COLLINS, CO 80525

(State)

(Zip)

(City)

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 1.Title of 2. Transaction Date 2A. Deemed 3. 4. Securities 5. Amount of 6. Ownership 7. Nature of Security (Month/Day/Year) Execution Date, if TransactionAcquired (A) or Securities Form: Direct Indirect (Instr. 3) Code Disposed of (D) Beneficially (D) or Beneficial (Instr. 3, 4 and 5) Indirect (I) Ownership (Month/Day/Year) (Instr. 8) Owned Following (Instr. 4) (Instr. 4) Reported (A) Transaction(s) or (Instr. 3 and 4) Code V Amount (D) Price 3,750 Common 10/27/2009 A \$0 $67,298 \frac{(2)}{}$ D (1) Stock

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 Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	Code	5. Number of orDerivative Securities Acquired (A) or Disposed of (D)	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount Underlying Securitie (Instr. 3 and 4)	
	·		Code V	(Instr. 3, 4, and 5) (A) (D)	Date Exercisable	Expiration Date	Title	Amou or Numb of Sha
Employee Stock Option (right to	\$ 12.77	10/27/2009	A	26,250	10/27/2010(3)	10/27/2019	Common Stock	26,2 (3)

Reporting Owners

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

Signatures

buy)

/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) The employee restricted stock units granted on October 27, 2009 will vest in four equal annual installments beginning on the first anniversary of the grant date.
- (2) Includes 67,298 shares of restricted stock units.
- (3) The employee stock options granted on October 27, 2009 will vest in four equal annual installments beginning on the first anniversary of the grant date.
- (4) Dr. Betz has stock options (right to buy) of 605,000 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.

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