BETZ HANS GEORG DR

Form 4 April 27, 2011

FORM 4

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

OMB 3235-0287

Check this box if no longer STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF Number: January 31, Expires: 2005

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OMB APPROVAL

subject to Section 16. Estimated average burden hours per

Form 4 or Form 5 obligations

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

SECURITIES

response...

may continue. 30(h) of the Investment Company Act of 1940 See Instruction

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person *

2. Issuer Name and Ticker or Trading

5. Relationship of Reporting Person(s) to Issuer

BETZ HANS GEORG DR

Symbol ADVANCED ENERGY

(Check all applicable)

(Last) (First) (Middle)

INDUSTRIES INC [AEIS] 3. Date of Earliest Transaction

_X__ Director 10% Owner

1625 SHARP POINT DRIVE

(Month/Day/Year) 04/25/2011

X_ Officer (give title Other (specify below) below)

CEO

(Street) 4. If Amendment, Date Original

(Month/Day/Year)

Applicable Line)

Filed(Month/Day/Year)

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

6. Individual or Joint/Group Filing(Check

Person

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

FORT COLLINS, CO 80525

(State)

1.Title of 2. Transaction Date 2A. Deemed Security (Month/Day/Year) Execution Date, if (Instr. 3)

(Zip)

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

5. Amount of 6. Ownership 7. Nature of Securities Form: Direct Indirect Beneficially (D) or Beneficial Indirect (I) Ownership Owned Following (Instr. 4) (Instr. 4)

D

(A)

Reported Transaction(s)

Code V Amount (D) Price

or (Instr. 3 and 4)

Common Stock

(City)

04/25/2011

F 291 (1) D \$0 $70,915 \frac{(2)}{}$

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

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	2.	3. Transaction Date		4.	5.	6. Date Exerc		7. Titl		8. Price of	9. Nu
Derivative Security (Instr. 3)	Conversion or Exercise Price of Derivative Security	(Month/Day/Year)	Execution Date, if any (Month/Day/Year)	Transacti Code (Instr. 8)	ofNumber of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)			Amou Under Securi (Instr.	rlying	Derivative Security (Instr. 5)	Deriv Secur Bene Own Follo Repo Trans (Instr
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	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) Represents 71,206 shares of Restricted Stock Units. As of the reporting date 44,663 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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