

# FORM 4

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

OMB APPROVAL  
OMB Number: 3235-0287  
Estimated average burden  
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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 or  
Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person * <b>Huth Dana Edward</b>  (Last) (First) (Middle) <b>1595 WYNKOOP STREET, SUITE 800</b> (Street) <b>DENVER, CO 80202</b> (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <b>ADVANCED ENERGY INDUSTRIES INC [ AEIS ]</b>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)  ____ Director _____ 10% Owner <input checked="" type="checkbox"/> Officer (give title below) _____ Other (specify below) <b>EVP &amp; CHIEF REVENUE OFFICER</b>
3. Date of Earliest Transaction (MM/DD/YYYY) <b>2/24/2021</b>		6. Individual or Joint/Group Filing (Check Applicable Line)  <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person
4. If Amendment, Date Original Filed (MM/DD/YYYY)		

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

1. Title of Security (Instr. 3)	2. Trans. Date	2A. Deemed Execution Date, if any	3. Trans. 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	(A) or (D)	Price			
Common Stock	2/24/2021		A		2530 <sup>(1)</sup>	A	\$108.80	10093	D	
Common Stock	2/24/2021		F		994 <sup>(2)</sup>	D	\$108.80	9099 <sup>(3)</sup>	D	

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

1. Title of Derivate Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Trans. Date	3A. Deemed Execution Date, if any	4. Trans. 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		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				

#### Explanation of Responses:

- (1) These performance awards previously granted 3/3/2020. Certain Revenue and Earnings Per Shares 2020 performance metrics were met under the 2020 LTI Plan and the shares were approved for a 2/24/2021 release by the Board of Directors.
- (2) Payment of tax liability by withholding securities incident to vesting of performance stock units.
- (3) Represents 6,876 shares of unvested restricted stock units and 2,223 shares of common stock.

#### Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
<b>Huth Dana Edward</b> <b>1595 WYNKOOP STREET, SUITE 800</b> <b>DENVER, CO 80202</b>			<b>EVP &amp; CHIEF REVENUE OFFICER</b>	

#### Signatures

/s/ Steven Mason - Attorney-in-Fact

2/26/2021

\*\*Signature of Reporting Person

Date

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

\* 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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.