

## INITIAL STATEMENT OF 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 *	2. Date of Event Requiring Statement (MM/DD/YYYY)	3. Issuer Name and Ticker or Trading Symbol
<b>Donaghey John</b>	<b>7/27/2022</b>	<b>ADVANCED ENERGY INDUSTRIES INC [AEIS]</b>
(Last) (First) (Middle)	4. Relationship of Reporting Person(s) to Issuer (Check all applicable)	
<b>1595 WYNKOOP STREET, SUITE 800</b>	<input type="checkbox"/> Director <input type="checkbox"/> 10% Owner <input checked="" type="checkbox"/> Officer (give title below) <input type="checkbox"/> Other (specify below) <b>EVP, Global Sales /</b>	
(Street)	5. If Amendment, Date Original Filed(MM/DD/YYYY)	6. Individual or Joint/Group Filing(Check Applicable Line)
<b>DENVER, CO 80202</b>		<input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person
(City) (State) (Zip)		

### Table I - Non-Derivative Securities Beneficially Owned

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
<b>Common Stock</b>	<b>8553 (1)</b>	<b>D</b>	

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

1. Title of Derivate Security (Instr. 4)	2. Date Exercisable and Expiration Date (MM/DD/YYYY)		3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)		4. Conversion or Exercise Price of Derivative Security	5. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of Shares			
<b>Stock Option (right to buy)</b>	<b>3/16/2023 (2)</b>	<b>3/16/2033</b>	<b>Common Stock</b>	<b>9760</b>	<b>\$85.97</b>	<b>D</b>	
<b>Performance Units</b>	<b>(3)</b>	<b>(3)</b>	<b>Common Stock</b>	<b>2948</b>	<b>(4)</b>	<b>D</b>	
<b>Performance Units</b>	<b>(5)</b>	<b>(5)</b>	<b>Common Stock</b>	<b>8264</b>	<b>(4)</b>	<b>D</b>	

#### Explanation of Responses:

- (1) Represents 7,553 unvested restricted stock units and 1,000 shares of Common Stock.
- (2) Employee stock options granted on 3/16/2022 under the Company's 2022 Long Term Incentive Plan (LTI Plan) will vest in three equal annual installments beginning on the first anniversary of the grant.
- (3) These 2,948 performance awards were issued under the 2021 LTI Plan. All shares were issued at 200% and have a 3-year vest period and will vest in all or in part upon achievement of performance metrics. Any awards that have not vested earned and released at the end of the respective 3-year period will be cancelled.
- (4) Each Performance Share Unit represents a contingent right to receive one share of AEIS Common Stock.
- (5) These 8,264 performance share awards were issued under the 2022 LTI Plan. All shares were issued at 200% and have a 3-year vest period and will vest in all or in part upon achievement of performance metrics. Any awards that have not vested earned and released at the end of the respective 3-year period will be cancelled.

#### Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
<b>Donaghey John</b> <b>1595 WYNKOOP STREET, SUITE 800</b> <b>DENVER, CO 80202</b>			<b>EVP, Global Sales</b>	

**Signatures**

/s/ Elizabeth Vonne - Attorney-in-Fact

8/4/2022

--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 5(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.

**LIMITED POWER OF ATTORNEY FOR  
SECTION 16 REPORTING OBLIGATIONS**

Know all by these presents, that the undersigned's hereby makes, constitutes and appoints Paul Oldham, Elizabeth Vonne, and Cindy Pitrat as the undersigned's true and lawful attorney-in-fact, with full power and authority as hereinafter described on behalf of and in the name, place and stead of the undersigned to:

- (1) prepare, execute, acknowledge, deliver and file Forms 3, 4, and 5 (including any amendments thereto) with respect to the securities of Advanced Energy Industries, Inc., a Delaware corporation (the "Company"), with the United States Securities and Exchange Commission, any national securities exchanges and the Company, as considered necessary or advisable under Section 16(a) of the Securities Exchange Act of 1934 and the rules and regulations promulgated thereunder, as amended from time to time (the "Exchange Act");
- (2) seek or obtain, as the undersigned's representative and on the undersigned's behalf, information on transactions in the Company's securities from any third party, including brokers, employee benefit plan administrators and trustees, and the undersigned hereby authorizes any such person to release any such information to the undersigned and approves and ratifies any such release of information; and
- (3) perform any and all other acts which in the discretion of such attorney-in-fact are necessary or desirable for and on behalf of the undersigned in connection with the foregoing.

The undersigned acknowledges that:

- (1) this Power of Attorney authorizes, but does not require, such attorney-in-fact to act in their discretion on information provided to such attorney-in-fact without independent verification of such information;
- (2) any documents prepared and/or executed by such attorney-in-fact on behalf of the undersigned pursuant to this Power of Attorney will be in such form and will contain such information and disclosure as such attorney-in-fact, in his or her discretion, deems necessary or desirable;
- (3) neither the Company nor such attorney-in-fact assumes (i) any liability for the undersigned's responsibility to comply with the requirement of the Exchange Act, (ii) any liability of the undersigned for any failure to comply with such requirements, or (iii) any obligation or liability of the undersigned for profit disgorgement under Section 16(b) of the Exchange Act; and
- (4) this Power of Attorney does not relieve the undersigned from responsibility for compliance with the undersigned's obligations under the Exchange Act, including without limitation the reporting requirements under Section 16 of the Exchange Act.

The undersigned hereby gives and grants the foregoing attorney-in-fact full power and authority to do and perform all and every act and thing whatsoever requisite, necessary or appropriate to be done in and about the foregoing matters as fully to all intents and purposes as the undersigned might or could do if present, hereby ratifying all that such attorney-in-fact of, for and on behalf of the undersigned, shall lawfully do or cause to be done by virtue of this Limited Power of Attorney.

This Power of Attorney shall remain in full force and effect until revoked by the undersigned in a signed writing delivered to such attorney-in-fact.

IN WITNESS WHEREOF, the undersigned has caused this Power of Attorney to be executed as of this 20th day of July, 2022.

*/s/ John Donaghey*

**STATE OF COLORADO  
COUNTY OF DENVER**

On this 20th day of July, 2022, John Donaghey personally appeared before me, and acknowledged that he executed the foregoing instrument for the purposes therein contained.

IN WITNESS WHEREOF, I have hereunto set my hand and official seal.

*/s/ Jenna Ford  
Notary Public ID 20184028055  
My Commission Expires July 10, 2026*