

ADVANCED ENERGY INDUSTRIES INC  
 Form 3/A  
 June 03, 2005

**FORM 3** UNITED STATES SECURITIES AND EXCHANGE COMMISSION  
 Washington, D.C. 20549

OMB APPROVAL

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**INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES**

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

(Print or Type Responses)

|   |         |          |                                      |   |  |
|---|---------|----------|--------------------------------------|---|--|
| 1. Name and Address of Reporting Person *       |         |          | 2. Date of Event Requiring Statement | 3. Issuer Name <b>and</b> Ticker or Trading Symbol  |  |
| Â SCHATZ DOUGLAS S & SCHATZ JILL E FAMILY TRUST |         |          | (Month/Day/Year)                     | ADVANCED ENERGY INDUSTRIES INC [AEIS]   |  |
| (Last)  | (First) | (Middle) |                                      | 4. Relationship of Reporting Person(s) to Issuer  |  |
| P.O. BOX 481                                    |         |          |                                      | (Check all applicable)  |  |
| (Street)  |         |          |                                      | 5. If Amendment, Date Original Filed(Month/Day/Year)  |  |
| FORT COLLINS,Â COÂ 80522                        |         |          |                                      | 08/01/2002  |  |
| (City)  | (State) | (Zip)    |                                      | 6. Individual or Joint/Group Filing(Check Applicable Line)  |  |
|   |         |          |                                      | <input type="checkbox"/> Form filed by One Reporting Person<br><input checked="" type="checkbox"/> Form filed by More than One Reporting Person |  |

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

| 1. Title of Security<br>(Instr. 4) | 2. Amount of Securities Beneficially Owned<br>(Instr. 4) | 3. Ownership Form:<br>Direct (D)<br>or Indirect (I)<br>(Instr. 5) | 4. Nature of Indirect Beneficial Ownership<br>(Instr. 5) |
|------------------------------------|--|---|--|
| Common Stock                       | 10,857,782 <u>(1)</u> <u>(2)</u>                         | D   | Â  |

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

SEC 1473 (7-02)

**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.**

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

| 1. Title of Derivative Security<br>(Instr. 4) | 2. Date Exercisable and Expiration Date<br>(Month/Day/Year) | 3. Title and Amount of Securities Underlying Derivative Security<br>(Instr. 4) | 4. Conversion or Exercise Price of | 5. Ownership Form of Derivative | 6. Nature of Indirect Beneficial Ownership<br>(Instr. 5) |
|---|---|--|------------------------------------|---------------------------------|--|
|---|---|--|------------------------------------|---------------------------------|--|

| Date Exercisable | Expiration Date | Title | Amount or Number of Shares | Derivative Security | Security: Direct (D) or Indirect (I) (Instr. 5) |
|------------------|-----------------|-------|----------------------------|---------------------|---|
|------------------|-----------------|-------|----------------------------|---------------------|---|

## Reporting Owners

| Reporting Owner Name / Address  | Relationships |           |                           |       |
|---|---------------|-----------|---------------------------|-------|
|   | Director      | 10% Owner | Officer                   | Other |
| SCHATZ DOUGLAS S & SCHATZ JILL E FAMILY TRUST<br>P.O. BOX 481<br>FORT COLLINS, CO 80522 | ^             | ^ X       | ^                         | ^     |
| SCHATZ DOUGLAS S<br>P.O. BOX 481<br>FORT COLLINS, CO 80522                              | ^ X           | ^ X       | ^ Chief Executive Officer | ^     |
| Schatz Jill E<br>P.O. BOX 481<br>FORT COLLINS, CO 80522                                 | ^             | ^ X       | ^                         | ^     |

## Signatures

Douglas S. Schatz - Attorney-in-Fact 05/31/2005

Signature of Reporting Person Date

## Explanation of Responses:

- \* 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).
- (1) Reflects the shares held as of August 1, 2002 (the date the original Form 3 was filed) directly by the Douglas S. Schatz and Jill E. Schatz Family Trust and indirectly by each of Douglas S. Schatz and Jill E. Schatz, co-trustees.
- (2) This amendment is filed to include Douglas S. Schatz and Jill E. Schatz as joint filers.

^

### Remarks:

Exhibit List  
^ ^ Exhibit 24 - Confirming Statement

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.