

ADVANCED ENERGY INDUSTRIES INC

Form 8-K

January 23, 2008

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549
FORM 8-K
CURRENT REPORT**

Pursuant to Section 13 OR 15(d) of The Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): January 22, 2008

Advanced Energy Industries, Inc.

(Exact name of registrant as specified in its charter)

Delaware
(State or other jurisdiction
of incorporation)

000-26966
(Commission
File Number)

84-0846841
(IRS Employer
Identification No.)

1625 Sharp Point Drive, Fort Collins, Colorado

(Address of principal executive offices)

80525
(Zip Code)

Registrant's telephone number, including area code: **(970) 221-4670**

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (see General Instruction A.2. below):

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
 - Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
 - Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
 - Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))
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ITEM 7.01 REGULATION FD DISCLOSURE

On January 22, 2008, Advanced Energy Industries, Inc. issued a press release lowering its guidance for fourth quarter of 2008. A copy of this press release is provided herewith as exhibit 99.1.

ITEM 9.01 FINANCIAL STATEMENTS AND EXHIBITS

(d) Exhibits

| Number | Description |
|--------|---------------------------------------|
| 99.1 | Press release dated January 22, 2008. |

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

Advanced Energy Industries, Inc.

Date: January 22, 2008

/s/ Lawrence D. Firestone

Lawrence D. Firestone
Executive Vice President & Chief Financial Officer