

# FORM 4

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

| OMB APPROVAL                                   |           |
|--|-----------|
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## 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

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

(Print or Type Responses)

|  |         |          |   |  |  |   |  |  |
|--|---------|----------|---|--|--|---|--|--|
| 1. Name and Address of Reporting Person*<br>Giese Alfred |         |          | 2. Issuer Name and Ticker or Trading Symbol<br>AMTECH SYSTEMS INC [ASYS]                |  |  | 5. Relationship of Reporting Person(s) to Issuer<br>(Check all applicable)<br><input checked="" type="checkbox"/> Director <input type="checkbox"/> 10% Owner<br><input type="checkbox"/> Officer (give title below) <input type="checkbox"/> Other (specify below) |  |  |
| (Last)   | (First) | (Middle) | 3. Date of Earliest Transaction (Month/Day/Year)<br>03/14/2014                          |  |  |   |  |  |
| C/O AMTECH SYSTEMS, INC., 131 SOUTH CLARK DR.            |         |          |   |  |  |   |  |  |
| (Street)   |         |          | 4. If Amendment, Date Original Filed(Month/Day/Year)                                    |  |  | 6. Individual or Joint/Group Filing(Check Applicable Line)<br><input checked="" type="checkbox"/> Form filed by One Reporting Person<br><input type="checkbox"/> Form filed by More than One Reporting Person   |  |  |
| TEMPE, AZ 85281  |         |          |   |  |  |   |  |  |
| (City)   | (State) | (Zip)    | <b>Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned</b> |  |  |   |  |  |

| 1. Title of Security (Instr. 3)                   | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transaction 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     |   |  |   |
| Amtech Systems, Inc. \$.01 par value common stock | 03/14/2014                           |  | M                              |   | 4,000   | A          | \$ 2.95   | 5,520   | D  |   |
| Amtech Systems, Inc. \$.01 par value common stock | 03/14/2014                           |  | S                              |   | 4,000   | D          | \$ 11.758 | 1,520   | D  |   |

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

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. SEC 1474 (9-02)

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

| 1. Title of Derivative Security (Instr. 3)              | 2. Conversion or Exercise Price of Derivative Security | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any (Month/Day/Year) | 4. Transaction 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 (Month/Day/Year) |                 | 7. Title and Amount of Underlying Securities (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 |
| Amtech Systems, Inc. Non-Employee Director Stock Option | \$ 2.95  | 03/14/2014                           |  | D                              |   | 4,000   |     | 12/11/2013   | 12/11/2022      | Amtech Systems, Inc. \$.01 par value common stock             | 4,000                                      | (1)  | 2,000 (2)  | D  |       |

## Reporting Owners

| Reporting Owner Name / Address   | Relationships |           |         |       |
|--|---------------|-----------|---------|-------|
|  | Director      | 10% Owner | Officer | Other |
| Giese Alfred<br>C/O AMTECH SYSTEMS, INC.<br>131 SOUTH CLARK DR.<br>TEMPE, AZ 85281 | X             |           |         |       |

## Signatures

|   |            |
|---|------------|
| Robert T. Hass on behalf of Al Giese by Power of Attorney | 03/14/2014 |
|---|------------|

## 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) Exercise of stock option.

(2) This is the number of derivative securities, with the same terms and conditions, following the reported transaction. Total of all derivative securities, with different terms and conditions, held following the reported transaction is 21,450.

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.