

Giese Alfred
Form 4
August 20, 2010

FORM 4

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

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,
Section 17(a) of the Public Utility Holding Company Act of 1935 or Section
30(h) of the Investment Company Act of 1940

OMB APPROVAL

OMB
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(Print or Type Responses)

1. Name and Address of Reporting Person *
Giese Alfred

(Last) (First) (Middle)

C/O AMTECH SYSTEMS,
INC., 131 SOUTH CLARK DR.

(Street)

TEMPE, AZ 85281

(City) (State) (Zip)

2. Issuer Name **and** Ticker or Trading
Symbol

AMTECH SYSTEMS INC [asys]

3. Date of Earliest Transaction
(Month/Day/Year)

08/19/2010

4. If Amendment, Date Original
Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to
Issuer

(Check all applicable)

☒ Director ☐ 10% Owner
☐ Officer (give title below) ☐ Other (specify below)

6. Individual or Joint/Group Filing(Check
Applicable Line)
☒ Form filed by One Reporting Person
☐ Form filed by More than One Reporting
Person

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

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	08/19/2010		M		6,000	A	\$ 8.32	7,000	D
Amtech Systems, Inc. \$.01 par value common stock	08/19/2010		M		1,667	A	\$ 3.3	8,667	D

Amtech
Systems,
Inc. \$.01
par value
common
stock

08/19/2010

S

7,667 A

\$
13.8516

1,000

D

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

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(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)			
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Amtech Systems, Inc. Non-Employee Director Stock Option	\$ 8.32	08/19/2010		M		6,000		04/13/2010	04/13/2017	Amtech Systems, Inc. \$.01 par value common stock	6,000
Amtech Systems, Inc. Non-Employee Director Stock Option	\$ 3.3	08/19/2010		M		1,667		03/13/2010	03/13/2019	Amtech Systems, Inc. \$.01 par value common stock	1,667

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Giese Alfred C/O AMTECH SYSTEMS, INC.	X			

131 SOUTH CLARK DR.
TEMPE, AZ 85281

Signatures

Robert T. Hass on behalf of Albert W. Giese by Power of
Attorney

08/20/2010

____Signature of Reporting Person

Date

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) Price omitted because the transaction is a grant of a stock option

(2) This is the number of derivative securities, with the same terms and conditions, following the reported transaction.

(3) 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 13,333

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

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