

# 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

(Print or Type Responses)

1. Name and Address of Reporting Person* WANSEM PAUL J VAN DER			2. Issuer Name and Ticker or Trading Symbol AMTECH SYSTEMS INC [ASYS]			5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director <input type="checkbox"/> 10% Owner <input checked="" type="checkbox"/> Officer (give title below) <input type="checkbox"/> Other (specify below)		
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year) 01/30/2015			See Remarks		
C/O AMTECH SYSTEMS, INC., 131 SOUTH CLARK DRIVE								
(Street) TEMPE, AZ 85281			4. If Amendment, Date Original Filed(Month/Day/Year)			6. Individual or Joint/Group Filing(Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person		
(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			
Common Stock	01/30/2015		A		337,295	A	(1)	337,295	D	
Common Stock	01/30/2015		A		120,122	A	(2)	120,122	I	By Family LTP (3)
Common Stock	01/30/2015		A		37,847	A	(4)	37,847	I	By Wife (5)
Common Stock	01/30/2015		A		29,733	A	(6)	29,733	I	By Family Trust (7)

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

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**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				
Stock Options (right to buy)	\$ 30.54	01/30/2015		A		21,720	01/30/2015	05/16/2015	Common Stock	21,720	(8)	21,720	D	
Stock Options (right to buy)	\$ 15.23	01/30/2015		A		10,860	01/30/2015	10/31/2015	Common Stock	10,860	(9)	10,860	D	
Stock Options (right to buy)	\$ 12.34	01/30/2015		A		10,860	01/30/2015	05/15/2016	Common Stock	10,860	(10)	10,860	D	
Stock Options (right to buy)	\$ 17.6	01/30/2015		A		16,455	01/30/2015	10/26/2016	Common Stock	16,455	(11)	16,455	D	

Stock Options (right to buy)	\$ 16.35	01/30/2015		A	11,518	01/30/2015	05/21/2017	Common Stock	11,518	(12)	11,518	D
Stock Options (right to buy)	\$ 21.24	01/30/2015		A	11,518	01/30/2015	11/01/2017	Common Stock	11,518	(13)	11,518	D
Stock Options (right to buy)	\$ 27.47	01/30/2015		A	6,911	01/30/2015	05/20/2018	Common Stock	6,911	(14)	6,911	D
Stock Options (right to buy)	\$ 10.82	01/30/2015		A	6,911	01/30/2015	11/03/2018	Common Stock	6,911	(15)	6,911	D
Stock Options (right to buy)	\$ 9.21	01/30/2015		A	8,227	01/30/2015	06/04/2019	Common Stock	8,227	(16)	8,277	D
Stock Options (right to buy)	\$ 6.08	01/30/2015		A	8,227	01/30/2015	11/05/2019	Common Stock	8,227	(17)	8,277	D
Stock Options (right to buy)	\$ 7.14	01/30/2015		A	4,113	01/30/2015	06/03/2020	Common Stock	4,113	(18)	4,113	D
Stock Options (right to buy)	\$ 9.94	01/30/2015		A	5,923	01/30/2015	11/04/2020	Common Stock	5,923	(19)	5,923	D
Stock Options (right to buy)	\$ 8.2	01/31/2015		A	30,000	(20)	01/31/2025	Common Stock	30,000	\$ 0	30,000	D

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
WANSEM PAUL J VAN DER C/O AMTECH SYSTEMS, INC., 131 SOUTH CLARK DRIVE TEMPE, AZ 85281	X		See Remarks	

## Signatures

/s/ Robert T. Hass, attorney in fact	02/02/2015
	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).
- Received in exchange for 1,024,900 shares of BTU International, Inc. ("BTU") common stock in connection with merger (the "Merger") of BTU Merger Sub, Inc. with and into BTU, with
- (1) BTU surviving as the wholly owned subsidiary of Amtech Systems, Inc. ("Amtech"). On the effective date of the Merger, the closing price of BTU's common stock was \$2.62 per share, and the closing price of Amtech's common stock was \$8.20 per share.
  - (2) Received in exchange for 365,000 shares of BTU common stock in connection with the Merger. On the effective date of the Merger, the closing price of BTU's common stock was \$2.62 per share, and the closing price of Amtech's common stock was \$8.20 per share.
  - (3) Mr. van der Wansem disclaims beneficial ownership of the shares held by the Partnership except to the extent of his pecuniary interest.
  - (4) Received in exchange for 115,000 shares of BTU common stock in connection with the Merger. On the effective date of the Merger, the closing price of BTU's common stock was \$2.62 per share, and the closing price of Amtech's common stock was \$8.20 per share.
  - (5) Mr. van der Wansem disclaims beneficial ownership in shares held by his wife.

- (6) Received in exchange for 90,344 shares of BTU common stock in connection with the Merger. On the effective date of the Merger, the closing price of BTU's common stock was \$2.62 per share, and the closing price of Amtech's common stock was \$8.20 per share.
- (7) Mr. van der Wanssem disclaims any beneficial ownership in shares held by the 1981 Van der Wanssem Family Trust.
- (8) Received in the Merger in exchange for a stock option to acquire 66,000 shares of BTU common stock for \$10.05 per share.
- (9) Received in the Merger in exchange for a stock option to acquire 33,000 shares of BTU common stock for \$5.01 per share.
- (10) Received in the Merger in exchange for a stock option to acquire 33,000 shares of BTU common stock for \$4.06 per share.
- (11) Received in the Merger in exchange for a stock option to acquire 50,000 shares of BTU common stock for \$5.79 per share.
- (12) Received in the Merger in exchange for a stock option to acquire 35,000 shares of BTU common stock for \$5.38 per share.
- (13) Received in the Merger in exchange for a stock option to acquire 35,000 shares of BTU common stock for \$6.99 per share.
- (14) Received in the Merger in exchange for a stock option to acquire 21,000 shares of BTU common stock for \$9.04 per share.
- (15) Received in the Merger in exchange for a stock option to acquire 21,000 shares of BTU common stock for \$3.56 per share.
- (16) Received in the Merger in exchange for a stock option to acquire 25,000 shares of BTU common stock for \$3.03 per share.
- (17) Received in the Merger in exchange for a stock option to acquire 25,000 shares of BTU common stock for \$2.00 per share.
- (18) Received in the Merger in exchange for a stock option to acquire 12,500 shares of BTU common stock for \$2.35 per share.
- (19) Received in the Merger in exchange for a stock option to acquire 18,000 shares of BTU common stock for \$3.27 per share.
- (20) The options vests in three equal annual installments on each of the first three anniversaries of the grant date, beginning on January 31, 2016.

**Remarks:**

Member of Management Executive Committee

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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