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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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).

Check this box to indicate that a transaction was made pursuant to a contract, instruction or written plan for the purchase or sale of equity securities of the issuer that is intended to satisfy the affirmative defense conditions of Rule 10b5-1(c). See Instruction 10.

1. Name and Address of Reporting Person * <u>DAIGLE ROBERT C</u> _____ (Last) (First) (Middle) <u>C/O AMTECH SYSTEMS, INC.</u> <u>131 S. CLARK DRIVE</u> _____ (Street) <u>TEMPE</u> <u>AZ</u> <u>85288</u> _____ (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>AMTECH SYSTEMS INC [ASYS]</u>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <p style="text-align: center;">Chairman & CEO</p>
	3. Date of Earliest Transaction (Month/Day/Year) <u>02/29/2024</u>	
4. If Amendment, Date of Original Filed (Month/Day/Year)		

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 Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Amtech Systems, Inc. \$0.01 par value common stock	03/01/2024		M		7,854	A	\$0	108,056	D	
Amtech Systems, Inc. \$0.01 par value common stock	03/01/2024		F		2,603	D ⁽¹⁾	\$4.83	105,453	D	

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 Securities Underlying Derivative Security (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: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Restricted Stock Units	\$0 ⁽²⁾	03/01/2024		M		7,854		03/01/2024 ⁽³⁾	(3)	Amtech Systems, Inc. \$0.01 par value common stock	7,854	\$0	0	D	
Amtech Systems, Inc. Employee Stock Option	\$6 ⁽⁴⁾	02/29/2024		A		400,000		08/08/2024 ⁽⁵⁾	03/01/2029	Amtech Systems, Inc. \$0.01 par value common stock	400,000	\$6	400,000	D	

Explanation of Responses:

- Amtech Systems, Inc. has withheld the number of whole shares necessary to satisfy the minimum statutory tax withholding obligations. The value of the vested shares (and the taxable income) is calculated based on the closing price on the vesting date.
- Each restricted stock unit represents a contingent right to receive one share of Common Stock of Amtech Systems, Inc.
- The restricted stock units were granted on March 1, 2023, with full vesting to occur on the first anniversary of the grant date.
- The option price represents a premium of approximately 25% to the closing price of the Company's common stock on February 29, 2024, the date of grant.
- The option vests in one-third increments commencing on August 8, 2024, February 8, 2025, and August 8, 2025.

/s/ Robert C. Daigle, Chairman and CEO 03/04/2024

** Signature of Reporting Person Date

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

* 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).

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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