

INITIAL STATEMENT OF 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* Frost Mark T (Last) (First) (Middle) C/O FATHOM DIGITAL MANUFACTURING CORP., 1050 WALNUT RIDGE DRIVE (Street) HARTLAND, WI 53029 (City) (State) (Zip)	2. Date of Event Requiring Statement (Month/Day/Year) 12/23/2021	3. Issuer Name and Ticker or Trading Symbol Fathom Digital Manufacturing Corp [FATH]	
		4. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input type="checkbox"/> Director <input type="checkbox"/> 10% Owner <input checked="" type="checkbox"/> Officer (give title below) <input type="checkbox"/> Other (specify below) Chief Financial Officer	5. 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	

Table I - Non-Derivative Securities Beneficially Owned

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Class A Common Stock (1)	134,632	D	
Class A Common Stock (2) (3)	403,896	D	

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

SEC 1473 (7-02)

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.

Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)		3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)		4. Conversion or Exercise Price of Derivative Security	5. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of Shares			

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Frost Mark T C/O FATHOM DIGITAL MANUFACTURING CORP. 1050 WALNUT RIDGE DRIVE HARTLAND, WI 53029			Chief Financial Officer	

Signatures

/s/Mark Frost, by James R. Brown as Attorney-in-Fact	01/03/2022
**Signature of Reporting Person	Date

Explanation of Responses:

* If the form is filed by more than one reporting person, see Instruction 5(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).

On December 23, 2021 (the "Effective Time"), the Issuer, formerly known as Altimar Acquisition Corp. II, acquired Fathom Holdco, LLC ("Fathom") pursuant to a Business Combination Agreement by and among the Issuer, Fathom and certain other parties thereto (the "Business Combination Agreement"). These shares of Class A Common Stock were issued to the Reporting Person pursuant to the Business Combination Agreement in exchange for vested shares of phantom equity in Fathom.

Represents shares of Class A Common Stock underlying Restricted Stock Units ("RSUs") issued under the Fathom Digital Manufacturing Corporation 2021 Omnibus Incentive Plan, as amended and/or restated from time to time. Each RSU represents the contingent right to receive one share of the Issuer's Class A Common Stock. These

(2) RSUs were issued to the Reporting Person pursuant to the Business Combination Agreement in exchange for unvested shares of phantom equity in Fathom and are subject to performance-based vesting conditions based upon the sell-down percentage of (a) CORE Industrial Partners Fund I, LP, CORE Industrial Partners Fund I Parallel, LP, CORE Fund I Holdings-2, LP and CORE Fund I Holdings-5 LP (collectively, the "CORE Investors"),

(Continued from footnote 2) and (b) with respect to the CORE Investors, any person directly controlled by, directly controlling or under direct common control with the CORE Investors (collectively, the "CORE Affiliates") as follows: (1) 25% of the performance-based RSUs will vest if the CORE Investors and the CORE Affiliates

- (3) collectively sell-down an investor cumulative sale percentage equal or greater than 60%; (2) 25% of the performance-based RSUs will vest if the CORE Investors and the CORE Affiliates collectively sell-down an investor cumulative sale percentage equal or greater than 80%; and (3) 50% of the performance-based RSUs will vest if the CORE Investors and the CORE Affiliates collectively sell-down an investor cumulative sale percentage equal or greater than 95%.

Remarks:

Exhibit 24 - Power of Attorney

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.

POWER OF ATTORNEY

The undersigned constitutes and appoints each of Ryan Martin, Mark Frost, Steven J. Gavin, James R. Brown and Luisa F. Patoni, or any of them signing singly, and with full power of substitution, the undersigned's true and lawful attorney-in-fact to:

1. Prepare, execute in the undersigned's name and on the undersigned's behalf, and submit to the U.S. Securities and Exchange Commission (the "SEC") a Form ID and the Form ID Confirming Statement, including amendments thereto, and any other document necessary or appropriate to obtain codes and passwords enabling the undersigned to make electronic filings with the SEC of reports required by Section 16(a) of the Securities Exchange Act of 1934 or any rule or regulation of the SEC;
2. Execute for and on behalf of the undersigned, in the undersigned's capacity as an officer and/or director of Fathom Digital Manufacturing Corporation (the "Company"), Forms 3, 4 and 5 in accordance with Section 16(a) of the Securities Exchange Act of 1934 and the rules and regulations promulgated thereunder and to file the same with all exhibits thereto, and other documents in connection therewith, with the SEC, the Company and any stock exchange on which any of the Company's securities are listed, granting unto said attorneys-in-fact and agents, and each of them, full power and authority to do and perform each act and thing requisite and necessary to be done under said Section 16(a), as fully and to all intents and purposes as the undersigned might or could do in person, hereby ratifying and confirming all that said attorneys-in-fact and agents, and each of them, may lawfully do or cause to be done by virtue hereof.
3. Take any other action of any type whatsoever in connection with the foregoing which, in the opinion of such attorney-in-fact, may be of benefit to, in the best interest of, or legally required by, the undersigned, it being understood that the documents executed by such attorney-in-fact on behalf of the undersigned pursuant to this Power of Attorney shall be in such form and shall contain such terms and conditions as such attorney-in-fact may approve in such attorney-in-fact's discretion.

The undersigned hereby grants to the attorney-in-fact full power and authority to do and perform any and every act and thing whatsoever requisite, necessary or proper to be done in the exercise of any of the rights and powers herein granted, as fully to all intents and purposes as the undersigned might or could do if personally present, with full power of substitution or evocation, hereby ratifying and confirming all that such attorney-in-fact, or such attorney-in-fact's substitute or substitutes, shall lawfully do or cause to be done by virtue of this Power of Attorney and the rights and powers herein granted. The undersigned acknowledges that the foregoing attorney-in-fact, in serving in such capacity at the request of the undersigned, are not assuming, nor is the Company assuming, any of the undersigned's responsibilities to comply with Section 16 of the Securities Exchange Act of 1934.

This Power of Attorney shall remain in full force and effect until the undersigned is no longer required to file a Form ID, Forms 3, 4 and 5 with respect to the undersigned's holdings of and transactions in securities issued by the Company, unless earlier revoked by the undersigned in a signed writing delivered to the foregoing attorney-in-fact.

IN WITNESS WHEREOF, the undersigned has caused this Power of Attorney to be executed as of this 14th day of December, 2021.

/s/ Mark Frost

Name: Mark Frost