

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

OMB APPROVAL
OMB Number: 3235-0076
Estimated Average burden hours per response: 4.0

FORM D

Notice of Exempt Offering of Securities

1. Issuer's Identity

CIK (Filer ID Number)

0001420520

Previous Name(s) None

MEARS TECHNOLOGIES INC

Entity Type

Corporation

Limited Partnership

Limited Liability Company

General Partnership

Business Trust

Other

Name of Issuer

Atomera Inc

Jurisdiction of
Incorporation/Organization

DELAWARE

Year of Incorporation/Organization

Over Five Years Ago

Within Last Five Years (Specify Year)

Yet to Be Formed

2. Principal Place of Business and Contact Information

Name of Issuer

Atomera Inc

Street Address 1

750 UNIVERSITY AVENUE

Street Address 2

SUITE 280

City

LOS GATOS

State/Province/Country

CALIFORNIA

ZIP/Postal Code

95032

Phone No. of Issuer

408-442-5248

3. Related Persons

Last Name **Bibaud** First Name **Scott** Middle Name
Street Address 1 **750 University Avenue** Street Address 2 **Suite 280**
City **Los Gatos** State/Province/Country **CALIFORNIA** ZIP/Postal Code **95032**
Relationship: Executive Officer Director Promoter
Clarification of Response (if Necessary)

Last Name **Trautmann** First Name **Erwin** Middle Name
Street Address 1 **750 University Avenue** Street Address 2 **Suite 280**
City **Los Gatos** State/Province/Country **CALIFORNIA** ZIP/Postal Code **95032**
Relationship: Executive Officer Director Promoter
Clarification of Response (if Necessary)

Last Name **Mears** First Name **Robert** Middle Name
Street Address 1 **750 University Avenue** Street Address 2 **Suite 280**
City **Los Gatos** State/Province/Country **CALIFORNIA** ZIP/Postal Code **95032**
Relationship: Executive Officer Director Promoter
Clarification of Response (if Necessary)

Last Name **Cope** First Name **Ron** Middle Name
Street Address 1 **750 University Avenue** Street Address 2 **Suite 280**
City **Los Gatos** State/Province/Country **CALIFORNIA** ZIP/Postal Code **95032**
Relationship: Executive Officer Director Promoter
Clarification of Response (if Necessary)

Last Name **Laurencio** First Name **Francis** Middle Name
Street Address 1 **750 University Avenue** Street Address 2 **Suite 280**
City **Los Gatos** State/Province/Country **CALIFORNIA** ZIP/Postal Code **95032**
Relationship: Executive Officer Director Promoter
Clarification of Response (if Necessary)

Last Name **Gerber** First Name **John** Middle Name
Street Address 1 **750 University Avenue** Street Address 2 **Suite 280**
City **Los Gatos** State/Province/Country **CALIFORNIA** ZIP/Postal Code **95032**
Relationship: Executive Officer Director Promoter
Clarification of Response (if Necessary)

Last Name **Cleavelin, Ph.D.** First Name **C.** Middle Name **Rinn**
Street Address 1 **750 University Avenue** Street Address 2 **Suite 280**
City **Los Gatos** State/Province/Country **CALIFORNIA** ZIP/Postal Code **95032**
Relationship: Executive Officer Director Promoter
Clarification of Response (if Necessary)

Last Name **Stadheim** First Name **Rolf** Middle Name
Street Address 1 **750 University Avenue** Street Address 2 **Suite 280**
City **Los Gatos** State/Province/Country **CALIFORNIA** ZIP/Postal Code **95032**
Relationship: Executive Officer Director Promoter
Clarification of Response (if Necessary)

4. Industry Group

- Agriculture
- Banking & Financial Services
 - Commercial Banking
 - Insurance
 - Investing
 - Investment Banking
 - Pooled Investment Fund
 - Other Banking & Financial Services
- Business Services
 - Energy
 - Coal Mining
 - Electric Utilities
 - Energy Conservation
 - Environmental Services
 - Oil & Gas
 - Other Energy
- Health Care
 - Biotechnology
 - Health Insurance
 - Hospitals & Physicians
 - Pharmaceutical
 - Other Health Care
- Manufacturing
- Real Estate
 - Commercial
 - Construction
 - REITS & Finance
 - Residential
 - Other Real Estate
- Retailing
- Restaurants
- Technology
 - Computers
 - Telecommunications
 - Other Technology
- Travel
 - Airlines & Airports
 - Lodging & Conventions
 - Tourism & Travel Services
 - Other Travel
- Other

5. Issuer Size

- | Revenue Range | Aggregate Net Asset Value Range |
|---|---|
| <input type="checkbox"/> No Revenues | <input type="checkbox"/> No Aggregate Net Asset Value |
| <input type="checkbox"/> \$1 - \$1,000,000 | <input type="checkbox"/> \$1 - \$5,000,000 |
| <input type="checkbox"/> \$1,000,001 - \$5,000,000 | <input type="checkbox"/> \$5,000,001 - \$25,000,000 |
| <input type="checkbox"/> \$5,000,001 - \$25,000,000 | <input type="checkbox"/> \$25,000,001 - \$50,000,000 |
| <input type="checkbox"/> \$25,000,001 - \$100,000,000 | <input type="checkbox"/> \$50,000,001 - \$100,000,000 |
| <input type="checkbox"/> Over \$100,000,000 | <input type="checkbox"/> Over \$100,000,000 |
| <input checked="" type="checkbox"/> Decline to Disclose | <input type="checkbox"/> Decline to Disclose |
| <input type="checkbox"/> Not Applicable | <input type="checkbox"/> Not Applicable |

6. Federal Exemption(s) and Exclusion(s) Claimed (select all that apply)

- | | |
|--|--|
| <input type="checkbox"/> Rule 504(b)(1) (not (i), (ii) or (iii)) | <input type="checkbox"/> Rule 505 |
| <input type="checkbox"/> Rule 504 (b)(1)(i) | <input checked="" type="checkbox"/> Rule 506(b) |
| <input type="checkbox"/> Rule 504 (b)(1)(ii) | <input type="checkbox"/> Rule 506(c) |
| <input type="checkbox"/> Rule 504 (b)(1)(iii) | <input type="checkbox"/> Securities Act Section 4(a)(5) |
| | <input type="checkbox"/> Investment Company Act Section 3(c) |

7. Type of Filing

- New Notice Date of First Sale **2016-04-01** First Sale Yet to Occur
- Amendment

8. Duration of Offering

Does the Issuer intend this offering to last more than one year? Yes No

9. Type(s) of Securities Offered (select all that apply)

- | | |
|--|---|
| <input type="checkbox"/> Pooled Investment Fund Interests | <input checked="" type="checkbox"/> Equity |
| <input type="checkbox"/> Tenant-in-Common Securities | <input checked="" type="checkbox"/> Debt |
| <input type="checkbox"/> Mineral Property Securities | <input type="checkbox"/> Option, Warrant or Other Right to Acquire Another Security |
| <input type="checkbox"/> Security to be Acquired Upon Exercise of Option, Warrant or Other Right to Acquire Security | <input type="checkbox"/> Other (describe) |

10. Business Combination Transaction

Is this offering being made in connection with a business combination transaction, such as a merger, acquisition or exchange offer? Yes No

Clarification of Response (if Necessary)

11. Minimum Investment

Minimum investment accepted from any outside investor \$ 0 USD

12. Sales Compensation

Recipient **National Securities Corporation**
(Associated) Broker or Dealer None

Recipient CRD Number None
7569
(Associated) Broker or Dealer CRD Number None

Street Address 1
1001 Fourth Avenue, Suite 3750

Street Address 2

City **Seattle** State/Province/Country **WASHINGTON** ZIP/Postal Code **98154**

State(s) of Solicitation All States Foreign/Non-US

ARIZONA
CALIFORNIA
CONNECTICUT
FLORIDA
GEORGIA
ILLINOIS
INDIANA
MARYLAND
MASSACHUSETTS
MICHIGAN
MINNESOTA
NEW JERSEY
NEW YORK
NORTH CAROLINA
OHIO
PENNSYLVANIA
TENNESSEE
TEXAS
VIRGINIA
WASHINGTON
WISCONSIN

13. Offering and Sales Amounts

Total Offering Amount \$ 600000 USD Indefinite
Total Amount Sold \$ 5958348 USD
Total Remaining to be Sold \$ 41652 USD Indefinite

Clarification of Response (if Necessary)

Total offering amount includes 5,958,348.00 of senior secured convertible notes and the underlying shares of common stock.

14. Investors

Select if securities in the offering have been or may be sold to persons who do not qualify as accredited investors, Number of such non-accredited investors who already have invested in the offering

Regardless of whether securities in the offering have been or may be sold to persons who do not qualify as accredited investors, enter the total number of investors who already have invested in the offering: **116**

15. Sales Commissions & Finders' Fees Expenses

Provide separately the amounts of sales commissions and finders' fees expenses, if any. If the amount of an expenditure is not known, provide an estimate and check the box next to the amount.

Sales Commissions \$ 437778 USD Estimate
Finders' Fees \$ 0 USD Estimate

Clarification of Response (if Necessary)

Based on the sale of \$4,377,781.00 of senior secured convertible notes by the placement agent.

16. Use of Proceeds

Provide the amount of the gross proceeds of the offering that has been or is proposed to be used for payments to any of the persons required to be named as executive officers, directors or promoters in response to Item 3 above. If the amount is unknown, provide an estimate and check the box next to the amount.

\$ 0 USD Estimate

Clarification of Response (if Necessary)

Signature and Submission

Please verify the information you have entered and review the Terms of Submission below before signing and clicking SUBMIT below to file this notice.

Terms of Submission

In submitting this notice, each Issuer named above is:

- Notifying the SEC and/or each State in which this notice is filed of the offering of securities described and undertaking to furnish them, upon written request, the information furnished to offerees.
- Irrevocably appointing each of the Secretary of the SEC and, the Securities Administrator or other legally designated officer of the State in which the Issuer maintains its principal place of business and any State in which this notice is filed, as its agents for service of process, and agreeing that these persons may accept service on its behalf, of any notice, process or pleading, and further agreeing that such service may be made by registered or certified mail, in any Federal or state action, administrative proceeding, or arbitration brought against it in any place subject to the jurisdiction of the United States, if the action, proceeding or arbitration (a) arises out of any activity in connection with the offering of securities that is the subject of this notice, and (b) is founded, directly or indirectly, upon the provisions of: (i) the Securities Act of 1933, the Securities Exchange Act of 1934, the Trust Indenture Act of 1939, the Investment Company Act of 1940, or the Investment Advisers Act of 1940, or any rule or regulation under any of these statutes, or (ii) the laws of the State in which the issuer maintains its principal place of business or any State in which this notice is filed.
- Certifying that the Issuer is not disqualified from relying on any Regulation D exemption it has identified in Item 6 above for one of the reasons stated in Rule 505(b)(2)(iii).

Each Issuer identified above has read this notice, knows the contents to be true, and has duly caused this notice to be signed on its behalf by the undersigned duly authorized person.

For signature, type in the signer's name or other letters or characters adopted or authorized as the signer's signature.

Issuer	Signature	Name of Signer	Title	Date
Atomera Inc	/s/ Francis Laurencio	Francis Laurencio	Chief Financial Officer	2016-04-11