UNITED STATES SECURITIES AND EXCHANGE COMMISSION

WASHINGTON, D.C. 20549

FORM 8-K

CURRENT REPORT

Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

Date of Report (Date of Earliest Event Reported):

December 31, 2015

Mitcham Industries, Inc.

(Exact name of registrant as specified in its charter)

| Texas | 000-25142 | 76-0210849 |
|--|--|---|
| (State or other jurisdiction | (Commission | (I.R.S. Employer |
| of incorporation) | File Number) | Identification No.) |
| 8141 SH 75 South, P.O. Box 1175, Huntsville, Texas | | 77342 |
| (Address of principal executive offices) | | (Zip Code) |
| Registrant's telephone number, including area co | ode: | 936-291-2277 |
| | Not Applicable | |
| Former name | e or former address, if changed since las | t report |
| Check the appropriate box below if the Form 8-K filing is intend | led to simultaneously satisfy the filing o | obligation of the registrant under any of the following |
| provisions: | act to omittationed by samply the ming o | ongation of the regionant ander any or the roll of the |
|] Written communications pursuant to Rule 425 under the Sec | | |
| Soliciting material pursuant to Rule 14a-12 under the Excha | 9 (| 40.4.4.1.0.4.) |
| Pre-commencement communications pursuant to Rule 14d-2 | | |
| Pre-commencement communications pursuant to Rule 13e-4 | 4(c) under the Exchange Act (17 CFR 24 | 40.13e-4(c)) |

Top of the Form

Item 8.01 Other Events.

On December 31, 2015, Mitcham Industries, Inc. ("Mitcham," "we," "us," or "our") completed the acquisition of L-3 Communications Klein Associates, Inc. ("Klein") from L-3 Communications Corporation. Klein designs, manufactures and sells sonar and waterside security systems to military and commercial customers.

The purchase price consisted of \$10.0 million in cash, subject to a customary post-closing working capital adjustment. Mitcham funded the acquisition with proceeds from its revolving credit agreement. Mitcham expects Klein to generate between \$1.4 million and \$1.9 million in earnings before income taxes and between \$2.0 million and \$2.5 million in earnings before interest, taxes, depreciation and amortization ("EBITDA") in its fiscal year ending January 31, 2017. EBITDA is a non-GAAP financial measure. A reconciliation of earnings before income taxes to EBITDA is attached to this report as exhibit 99.2 and incorporated in this Item 8.01 by reference.

On January 4, 2016, Mitcham issued a press release announcing the acquisition. The text of the press release is attached to this report as exhibit 99.1.

Cautionary Statements

Certain statements and information in this Current Report on Form 8-K may constitute "forward-looking statements" within the meaning of the Private Securities Litigation Reform Act of 1995. The words "believe," "expect," "anticipate," "plan," "intend," "should," "would," "could" or other similar expressions are intended to identify forward-looking statements, which are generally not historical in nature. These forward-looking statements are based on our current expectations and beliefs concerning future developments and their potential effect on us. While management believes that these forward-looking statements are reasonable as and when made, there can be no assurance that future developments affecting us will be those that we anticipate. All comments concerning our expectations for future revenues and operating results are based on our forecasts of our existing operations and do not include the potential impact of any future acquisitions. Our forward-looking statements involve significant risks and uncertainties (some of which are beyond our control) and assumptions that could cause actual results to differ materially from our historical experience and our present expectations or projections.

For additional information regarding known material factors that could cause our actual results to differ from our projected results, please see our filings with the SEC, including our Annual Report on Form 10-K, Quarterly Reports on Form 10-Q and Current Reports on Form 8-K.

Readers are cautioned not to place undue reliance on forward-looking statements, which speak only as of the date hereof. We undertake no obligation to publicly update or revise any forward-looking statements after the date they are made, whether as a result of new information, future events or otherwise.

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits

Exhibit No. Description

99.1 Press release dated January 4, 2016

99.2 Reconciliation of earnings before income taxes to EBITDA

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

Mitcham Industries, Inc.

January 4, 2016 By: /s/ Robert P. Capps

Name: Robert P. Capps

Title: Co-Chief Executive Officer

Exhibit Index

| Exhibit No. | Description |
|-------------|--|
| 99.1 | Press release dated January 4, 2016 |
| 99.2 | Reconciliation of earnings before income taxes to EBITDA |

NEWS RELEASE

FOR IMMEDIATE RELEASE

Contacts: Rob Capps, Co-CEO

Mitcham Industries, Inc.

936-291-2277

Jack Lascar / Jenny Zhou Dennard ? Lascar Associates

713-529-6600

MITCHAM INDUSTRIES ACQUIRES L-3 COMMUNICATIONS KLEIN ASSOCIATES

HUNTSVILLE, TX – January 4, 2016 – Mitcham Industries, Inc. (NASDAQ: MIND) ("Mitcham" or "the Company") announced today that it has acquired L-3 Communications Klein Associates, Inc. ("Klein"), a designer, manufacturer and worldwide distributor of sonar and waterside security systems to military and commercial customers. Klein was a wholly-owned subsidiary of L-3 Communications Corporation, a leading provider of a broad range of communication and electronic systems and products used on military and commercial platforms, and a prime contractor in aerospace systems.

Rob Capps, Mitcham's Co-CEO, commented, "This transaction provides a number of strategic benefits to Mitcham, including the expansion of our technology base and better utilization of our engineering resources. This transaction also expands our manufacturing operations, making them a larger part of the company, and gives us access to a broader range of technology and expertise. In addition, this acquisition should allow us to leverage our geographic footprint and longstanding customer relationships in the energy industry for the benefit of Klein's product line. Furthermore, we expect this transaction will reduce Mitcham's dependence on the cyclical energy industry."

Guy Malden, Mitcham's Co-CEO, added, "The hydrographic and oceanographic business in which Klein operates is a space we understand well. Our Australian subsidiary, Seismic Asia Pacific Pty Ltd, has been a distributor of Klein products for a number of years. In fact over the past two years, we have been Klein's largest distributor and one of Klein's largest customers. There are a number of striking similarities between Klein's technology and manufacturing processes and those of our Seamap business. We believe this will lead to increased efficiencies in both operations, new applications for existing products and new product development opportunities.

About Klein

Klein's primary products include single and multi-beam side-scan sonar systems, which the company provides to U.S. and foreign government and commercial customers. Klein operates a single facility in Salem, New Hampshire and employs approximately 45 people there. The business will be renamed "Klein Marine Systems, Inc.", will operate as a wholly-owned subsidiary of Mitcham Industries and will be a part of its manufacturing business segment.

About Mitcham Industries

Mitcham Industries, Inc., a geophysical equipment supplier, offers for lease or sale, new and "experienced" seismic equipment to the oil and gas industry, seismic contractors, environmental agencies, government agencies and universities. Headquartered in Texas, with sales and services offices in Calgary, Canada; Brisbane, Australia; Singapore; Ufa, Bashkortostan, Russia; Budapest, Hungary; Lima, Peru; Bogota, Colombia and the United Kingdom, Mitcham conducts operations on a global scale and believes it is the largest independent exploration equipment lessor in the industry. Through its Seamap business, the Company designs, manufactures and sells specialized seismic marine equipment.

Exhibit 99.2

Reconciliation of range of projected EBITDA to earnings before income taxes for the year ending January 31, 2017 relating to operations of Klein:

(in thousands)

| | Low end of range | High end of range |
|-------------------------------|------------------|-------------------|
| Earnings before income taxes | \$1,400 | \$1,900 |
| Depreciation and amortization | 600 | 600 |
| Interest expense | _ | |
| EBITDA | \$2,000 | \$2,500 |