

---

**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION**  
Washington, D.C. 20549

**SCHEDULE 13G**

Under the Securities Exchange Act of 1934

(Amendment No.)\*

**Emcore Corporation**  
(Name of Issuer)

**Common Stock, no par value**  
(Title of Class of Securities)

**290846203**  
(CUSIP Number)

**February 13, 2015**  
(Date of Event which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

☐ Rule 13d-1(b)

☒ Rule 13d-1(c)

☐ Rule 13d-1(d)

\*The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the *Notes*).

(Page 1 of 8 Pages)

---

SCHEDULE 13G

1	NAMES OF REPORTING PERSONS  Polar Securities Inc.		
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)  (a) <input type="checkbox"/> (b) <input type="checkbox"/>		
3	SEC USE ONLY		
4	CITIZENSHIP OR PLACE OF ORGANIZATION  Canada		
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5	SOLE VOTING POWER  0	
	6	SHARED VOTING POWER  1,624,715	
	7	SOLE DISPOSITIVE POWER  0	
	8	SHARED DISPOSITIVE POWER  1,624,715	
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON  1,624,715		
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)  <input type="checkbox"/>		
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)  5.06%		
12	TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)  IA		



1	NAMES OF REPORTING PERSONS Altairis Offshore Levered		
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS) (a) <input type="checkbox"/> (b) <input type="checkbox"/>		
3	SEC USE ONLY		
4	CITIZENSHIP OR PLACE OF ORGANIZATION Cayman Islands		
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5	SOLE VOTING POWER 0	
	6	SHARED VOTING POWER 1,624,715	
	7	SOLE DISPOSITIVE POWER 0	
	8	SHARED DISPOSITIVE POWER 1,624,715	
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 1,624,715		
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS) <input type="checkbox"/>		
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 5.06%		
12	TYPE OF REPORTING PERSON (SEE INSTRUCTIONS) CO		



**Item 1.**

**(a) Name of Issuer:**

Emcore Corporation (the “Company”).

**(b) Address of Issuer’s Principal Executive Offices:**

The Company’s principal executive offices are located at 2015 W. Chestnut Street, Alhambra, California, 91803

**Item 2.**

**(a) Name of Person Filing:**

This statement is filed by:

(i) Altairis Offshore Levered ("AOL"), a Cayman Islands exempted company, with respect to the Shares (defined in item 2(d) below) reported in this Schedule 13G directly held by it; and

(ii) Polar Securities Inc. ("Polar Securities"), a company incorporated under the laws on Ontario, Canada, serving as investment advisor to AOL with respect to the Shares reported in this Schedule 13G directly held by AOL.

The foregoing persons are hereinafter sometimes collectively referred to as the "Reporting Persons."

**(b) Address of Principal Business Office or, if None, Residence:**

The address of the business office of each of the Reporting Persons is 401 Bay Street, Suite 1900, PO Box 19, Toronto, Ontario M5H 2Y4, Canada.

**(c) Citizenship:**

The citizenship of each of the Reporting Persons is set forth above.

**(d) Title and Class of Securities:**

Common Shares, no par value (“Shares”).

**(e) CUSIP No.:**

290846203

**Item 3. If this statement is filed pursuant to §§ 240.13d-1(b) or 240.13d-2(b) or (c), check whether the person filing is a:**

- (a) ☐ Broker or dealer registered under Section 15 of the Act;
- (b) ☐ Bank as defined in Section 3(a)(6) of the Act;
- (c) ☐ Insurance company as defined in Section 3(a)(19) of the Act;
-

- (d) ☐ Investment company registered under Section 8 of the Investment Company Act of 1940;
- (e) ☐ An investment adviser in accordance with Rule 13d-1(b)(1)(ii)(E);
- (f) ☐ An employee benefit plan or endowment fund in accordance with Rule 13d-1(b)(1)(ii)(F);
- (g) ☐ A parent holding company or control person in accordance with Rule 13d-1(b)(1)(ii)(G);
- (h) ☐ A savings associations as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813);
- (i) ☐ A church plan that is excluded from the definition of an investment company under section 3(c)(14) of the Investment Company Act of 1940;
- (j) ☐ A non-U.S. institution in accordance with Rule 240.13d-1(b)(1)(ii)(J);
- (k) ☐ Group, in accordance with Rule 240.13d-1(b)(1)(ii)(K). If filing as a non-U.S. institution in accordance with Rule 240.13d-1(b)(1)(ii)(J), please specify the type of institution:  
\_\_\_\_\_

#### Item 4. Ownership

The percentages used herein are calculated based upon 32,106,611 Shares reported to be outstanding as of February 10, 2015, as reported on Form 10-Q filed by the Company on February 13, 2015.

##### A. Polar Securities

- (a) Amount Beneficially Owned: 1,624,715
- (b) Percent of Class: 5.06%
- (c) Number of shares as to which such person has:
  - (i) Sole power to vote or to direct the vote: 0
  - (ii) Shared power to vote or to direct the vote: 1,624,715
  - (iii) Sole power to dispose or to direct the disposition of: 0
  - (iv) Shared power to dispose or to direct the disposition of: 1,624,715

##### B. AOL

- (a) Amount Beneficially Owned: 1,624,715
- (b) Percent of Class: 5.06%
- (c) Number of shares as to which such person has:
  - (i) Sole power to vote or to direct the vote: 0
  - (ii) Shared power to vote or to direct the vote: 1,624,715
  - (iii) Sole power to dispose or to direct the disposition of: 0
  - (iv) Shared power to dispose or to direct the disposition of: 1,624,715

#### Item 5. Ownership of Five Percent or Less of a Class.

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following ☐.

**Item 6.                   Ownership of more than Five Percent on Behalf of Another Person.**

Not Applicable

**Item 7.                   Identification and classification of the subsidiary which acquired the security being reported on by the parent holding company or control person.**

Not Applicable

**Item 8.                   Identification and classification of members of the group.**

Not Applicable

**Item 9.                   Notice of Dissolution of Group.**

Not Applicable

**Item 10.                Certifications.**

Each of the Reporting Persons hereby makes the following certification:

By signing below each Reporting Person certifies that, to the best of his or its knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

---

## SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Dated: February 23, 2015

POLAR SECURITIES INC.

/s/ Robyn Schultz

Name: Robyn Schultz

Title: Chief Compliance Officer

ALTAIRIS OFFSHORE LEVERED

By: Polar Securities Inc., its investment manager

/s/ Robyn Schultz

Name: Robyn Schultz

Title: Chief Compliance Officer

---

**EXHIBIT 1**

**JOINT FILING AGREEMENT  
PURSUANT TO RULE 13d-1(k)**

The undersigned acknowledge and agree that the foregoing statement on Schedule 13G is filed on behalf of each of the undersigned and that all subsequent amendments to this statement on Schedule 13G shall be filed on behalf of each of the undersigned without the necessity of filing additional joint filing agreements. The undersigned acknowledge that each shall be responsible for the timely filing of such amendments, and for the completeness and accuracy of the information concerning him or it contained herein and therein, but shall not be responsible for the completeness and accuracy of the information concerning the others, except to the extent that he or it knows or has reason to believe that such information is inaccurate.

Dated: February 23, 2015

POLAR SECURITIES INC.

/s/ Robyn Schultz

Name: Robyn Schultz

Title: Chief Compliance Officer

ALTAIRIS OFFSHORE LEVERED

By: Polar Securities Inc., its investment manager

/s/ Robyn Schultz

Name: Robyn Schultz

Title: Chief Compliance Officer

---