

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

SCHEDULE 13

Under the Securities Exchange Act of 1934  
(Amendment No.)\*

MASTEC Inc

-----  
(Name of Issuer)

Common Stock, \$0.01 par value

-----  
(Title of Class of Securities)

576323109

-----  
(CUSIP Number)

December 31, 2015

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(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).

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CUSIP No. 576323109 SCHEDULE 13G  
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- (1) NAMES OF REPORTING PERSONS  
I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (entities only)

Peconic Partners LLC  
13-3942422

- (2) CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions):  
(a)   
(b)   
-----

- (3) SEC USE ONLY

- (4) CITIZENSHIP OR PLACE OF ORGANIZATION

New York

-----  
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH  
None  
(5) SOLE VOTING POWER  
-----  
(6) SHARED VOTING POWER  
4,628,991  
-----  
(7) SOLE DISPOSITIVE POWER  
-----  
(8) SHARED DISPOSITIVE POWER  
4,628,991  
-----

(9) AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

4,628,991

-----  
(10) CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES  
(See Instructions) [ ]  
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(11) PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)  
5.78%  
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(12) TYPE OF REPORTING PERSON (See Instructions)  
IA  
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CUSIP No. 576323109 SCHEDULE 13G  
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(1) NAMES OF REPORTING PERSONS  
I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (entities only)  
  
William F. Harnisch  
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(2) CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions):  
(a) [ ]  
(b) [ ]  
-----

(3) SEC USE ONLY  
-----

(4) CITIZENSHIP OR PLACE OF ORGANIZATION  
United States  
-----

-----  
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH  
279,000  
(5) SOLE VOTING POWER  
-----  
(6) SHARED VOTING POWER  
4,628,991  
-----  
(7) SOLE DISPOSITIVE POWER  
-----  
(8) SHARED DISPOSITIVE POWER  
4,628,991  
-----

(9) AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

4,907,991

-----  
(10) CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES  
(See Instructions) [ ]  
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(11) PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)  
6.14%  
-----

(12) TYPE OF REPORTING PERSON (See Instructions)  
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CUSIP NO. 576323109

SCHEDULE 13G

Item 1(a). Name of Issuer:

MASTEC INC.

Item 1(b). Address of Issuer's Principal Executive Offices:

800 South Douglas Road  
12th Floor  
Coral Gables, Florida 33134

Item 2(a). Name of Persons Filing:

- (i) Peconic Partners LLC
- (ii) William F. Harnisch

Item 2(b). Address of Principal Business Office or, if None, Residence:

- (i) P. O. Box 3002, 506 Montauk Highway, East Quogue, New York 11942
- (ii) P. O. Box 3002, 506 Montauk Highway, East Quogue, New York 11942

Item 2(c). Citizenship:

- (i) New York
- (ii) United States

Item 2(d). Title of Class of Securities:

Common Stock, \$0.01 par value

Item 2(e). CUSIP Number:

267475101

Item 3. If This Statement is Filed Pursuant to Sections 240.13d-1(b) or 240.13d-2(b), Check Whether the Person Filing is a:

(a) Peconic Partners LLC is a registered investment adviser under Section 203 of the Investment Advisers Act of 1940, as amended.

(b) William F. Harnisch is President and Chief Executive Officer of Peconic Partners LLC

Item 4. Ownership.

Provide the following information regarding the aggregate number and percentage of the class of securities of the issuer identified in Item 1.

(a) Amount Beneficially Owned: Amount beneficially owned and (b) Percent of class:  
See Items 5 through 11 of the cover pages attached hereto.

This Schedule 13G shall not be construed as an admission that the Reporting Persons, either for purposes of Section 13(d) or 13(g) of the Securities Exchange Act of 1934, as amended, or for other

purposes, are the beneficial owners of any securities covered by this statement.

(c) See Items 5 through 8 of the cover pages attached hereto.

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 Controlling 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. Certification

By signing below I certify that, to the best of my 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.

CUSIP NO. 576323109

SCHEDULE 13G

#### SIGNATURES

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

Dated: February 16, 2016

PECONIC PARTNERS LLC  
By: William F. Harnisch  
as President and Chief Executive Officer

By: /s/ William F. Harnisch  
-----  
William F. Harnisch  
Title: President and Chief Executive Officer

William F. Harnisch

By: /s/ William F. Harnisch  
-----  
William F. Harnisch  
Individually

CUSIP NO. 576323109

SCHEDULE 13G

Agreement

Exhibit A

The undersigned, Peconic Partners LLC and William F. Harnisch, agree that the statement to which this exhibit is appended is filed on behalf of each of them.

Dated: February 16, 2016

PECONIC PARTNERS LLC  
By: William F. Harnisch  
as President and Chief Executive Officer

By: //s/ William F. Harnisch  
-----  
William F. Harnisch  
Title: President and Chief Executive Officer

William F. Harnisch

By: /s/ William F. Harnisch  
-----  
William F. Harnisch  
Individually