

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

SCHEDULE 13G

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

Helix Energy Solutions Group, Inc

(Name of Issuer)

Common Stock

(Title of Class of Securities)

42330P107

(CUSIP Number)

December 31, 2008

(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).

CUSIP No. 42330P107

Person 1

1. (a) Names of Reporting Persons.
Robeco Investment Management, Inc.
(b) Tax ID
98-0202744
-

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 Delaware

Number of
Shares
Beneficially
Owned by
Each
Reporting
Person With

5. Sole Voting Power 3,722,056

6. Shared Voting Power 269,910

7. Sole Dispositive Power 4,865,736

8. Shared Dispositive Power 0

9. Aggregate Amount Beneficially Owned by Each Reporting Person 4,865,736

10. Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)

11. Percent of Class Represented by Amount in Row (9) 5.30% %

12. Type of Reporting Person (See Instructions)

IA

Item 1.

- (a) Name of Issuer
Helix Energy Solutions Group, Inc
- (b) Address of Issuer's Principal Executive Offices
400 North Sam Houston Parkway East Suite 400 Houston TX 77060

Item 2.

- (a) Name of Person Filing
Robeco Investment Management, Inc.
- (b) Address of Principal Business Office or, if none, Residence
909 Third Ave New York, NY 10022
- (c) Citizenship
Delaware
- (d) Title of Class of Securities
Common Stock
- (e) CUSIP Number
42330P107

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 (15 U.S.C. 78c)
- (b) Bank as defined in section 3(a)(6) of the Act (15 U.S.C. 78c).
- (c) Insurance company as defined in section 3(a)(19) of the Act (15 U.S.C. 78c).
- (d) Investment company registered under section 8 of the Investment Company Act of 1940 (15 U.S.C 80a-8).
- (e) An investment adviser in accordance with 240.13d-1(b)(1)(ii)(E);
]

- (f) An employee benefit plan or endowment fund in accordance with 240.13d-1(b)(1)(ii)(F);
- (g) A parent holding company or control person in accordance with 240.13d-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 (15 U.S.C. 80a-3);
- (j) Group, in accordance with 240.13d-1(b)(1)(ii)(J).

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: 4,865,736
- (b) Percent of class: 5.30%%
- (c) Number of shares as to which the person has:
 - (i) Sole power to vote or to direct the vote 3,722,056
 - (ii) Shared power to vote or to direct the vote 269,910
 - (iii) Sole power to dispose or to direct the disposition of 4,865,736
 - (iv) Shared power to dispose or to direct the disposition of 0

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.

This Schedule is being filed with respect to 4,865,736 shares Helix

Not Applicable

Solutions

Group, Inc.

Not Applicable

(the Common

Stock) held by

Robeco

Not Applicable

Investment

Management,

Inc. (RIM) on

12/31/2008

for the

discretionary

account of

certain clients.

By reason of

rule 13d-3

under the act

RIM may be

deemed to be

a beneficial

owner of such

Common

Stock. To the

knowledge of

RIM no

Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on By the Parent Holding Company or Control Person.

Identification and Classification of Members of the Group

Notice of Dissolution of Group

Certification

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were acquired and are held in the ordinary course of business and 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.

By reason of rule 13d-3 under the act RIM may be deemed to be a beneficial owner of such

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.

February 03, 2009

Date

James Noone

person has the right to receive or the power to direct the receipt of dividends from or the proceeds from the sale of such Common Stock which represents more than 5% of the outstanding shares of the Common Stock referred to in item 4(b) hereof.

Effective January 1, 2007, Boston Partners Asset Management, LLC (BPAM) which was a Delaware limited liability company registered as an investment adviser under section 203 of the Investment Advisers Act of 1940, as amended, merged into its parent company, Robeco Investment Management, Inc. ("RIM"), a Delaware corporation also registered as an investment adviser. RIM has been the parent of BPAM since 2002. Accordingly, reference should be made to BPAM (CIK #0000949682) for any prior filings relating to the holding

Signature
Senior Compliance Manager

Name/Title

Attention: Intentional misstatements or omissions of fact constitute Federal criminal violations (See 18 U.S.C. 1001)

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of shares of
common stock
described
herein.

Effective
January 1,
2007, Robeco
USA, L.L.C.
("Robeco")
which was a
Delaware
limited
liability
company
registered as
an investment
adviser under
section 203 of
the
Investment
Advisers Act
of 1940, as
amended,
merged into
its parent
company,
Robeco
Investment
Management,
Inc. ("RIM"),
a Delaware
corporation
also registered
as an
investment
adviser. RIM
has been the
parent of
BPAM since
2001.
Accordingly,
reference
should be
made to
Robeco (CIK
#0000732926)
for any prior
filings relating
to the holding
of shares of
common stock
described
herein.