
FORM 6 - - K
SECURITIES AND EXCHANGE COMMISSION
Washington, DC 20549

Report of Foreign Private Issuer

**Pursuant to Rule 13a - 16 or 15d - 16 under
the Securities Exchange Act of 1934**

For the month of **November 2009**

Commission File Number **001-33159**

AERCAP HOLDINGS N.V.

(Translation of Registrant's Name into English)

Stationsplein 965, 1117 CE Schiphol Airport, The Netherlands, +31-20-655-9655

(Address of Principal Executive Office)

Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F.

Form 20-F

Form 40-F

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(1):

Note: Regulation S-T Rule 101(b)(1) only permits the submission in paper of a Form 6-K if submitted solely to provide an attached annual report to security holders.

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(7) :

Indicate by check mark whether the registrant by furnishing the information contained in this form is also thereby furnishing the information to the Commission pursuant to Rule 12g3-2(b) under the Securities Act of 1934.

Yes

No

If "Yes" is marked, indicated below the file number assigned to the registrant in connection with Rule 12g3-2(b): 82 – N/A

Other Events

On November 6, 2009, AerCap Holdings N.V. announced that it has signed a series of agreements with China Development Bank for \$358 million of funding for Airbus A330s.

This form 6-K is incorporated by reference into the Company's form F-3 registration statement file no. 333-155194 and related prospectus, as such registration statement and prospectus may be amended from time to time, and is incorporated by reference into the Company's form S-8 registration statement file no. 333-154416, as such registration statement may be amended from time to time.

Exhibits

99.1 AerCap Holdings N.V. Press Release

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SIGNATURE

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, thereunto duly authorized.

AERCAP HOLDINGS N.V.

By: /s/ Klaus Heinemann

Name: Klaus Heinemann
Title: Authorized Signatory

Date: November 6, 2009

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EXHIBIT INDEX

99.1 AerCap Holdings N.V. Press Release.

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PRESS RELEASE

FOR IMMEDIATE RELEASE

AerCap Signs Agreements for \$358 Million of Funding for Airbus A330s

Amsterdam, The Netherlands; November 6, 2009 — AerCap Holdings N.V. (“AerCap”, NYSE: AER) today announced that it has signed a series of agreements with China Development Bank which provides funding for \$86 million of pre-delivery payments and a \$272 million long term funding facility covering four new Airbus A330 aircraft with deliveries scheduled in 2010 and 2011. The four aircraft are part of AerCap’s 30 A330 order placed in 2006/2007 with deliveries scheduled until 2012.

Keith Helming, Chief Financial Officer of AerCap said: “AerCap is delighted to enter the rapidly developing Chinese aviation financing market with an agreement to provide \$358 million of funding for four of our A330s. China is becoming increasingly involved in international aircraft funding, and China Development Bank is becoming recognized as one of the premier players in aviation financing. We are delighted to be broadening our sources of capital with them through this important milestone transaction.”

About AerCap

AerCap is an integrated global aviation company with a leading market position in aircraft and engine leasing, trading and parts sales. The company also provides aircraft management services and performs aircraft maintenance, repair and overhaul services and aircraft disassemblies. AerCap is headquartered in The Netherlands and has offices in Ireland, the United States, Singapore, China and the United Kingdom.

This press release may contain forward-looking statements that involve risks and uncertainties. In most cases, you can identify forward-looking statements by terminology such as “may”, “should”, “expects”, “plans”, “anticipates”, “believes”, “estimates”, “predicts”, “potential” or “continue” or the negative of such terms or similar terminology. Such forward-looking statements are not guarantees of future performance and involve significant assumptions, risks and uncertainties, and actual results may differ materially from those in the forward-looking statements.

Contact for Media:

Frauke Oberdieck
+31 20 655 9616
foberdieck@aercap.com

Contact for Investors:

Peter Wortel
+31 20 655 9658
pwortel@aercap.com