
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 2010

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 18, 2010, AerCap Holdings N.V. announced that it has signed a Letter of Intent with The Boeing Company covering the purchase of up to 15 737-800 aircraft, consisting of 10 firm aircraft and 5 purchase rights.

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 18, 2010

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EXHIBIT INDEX

99.1 AerCap Holdings N.V. Press Release.



PRESS RELEASE

AerCap Signs Letter of Intent With The Boeing Company for up to Fifteen 737-800 Aircraft, Consisting of Ten Firm Aircraft and Five Purchase Rights

AMSTERDAM, The Netherlands November 18, 2010 - AerCap Holdings N.V. ("AerCap," NYSE: AER) announced that yesterday it has signed a Letter of Intent with The Boeing Company covering the purchase of up to 15 737-800 aircraft, consisting of 10 firm aircraft and 5 purchase rights.

Klaus Heinemann, CEO of AerCap commented: "We are extremely pleased to enter into a direct purchase arrangement with Boeing. While AerCap's portfolio of lease assets already contains a large number of Boeing aircraft, this is the first time that AerCap will buy directly from the manufacturer. The 737-800 with its recently announced performance upgrade, its new cabin interior and the superb on wing performance of its CFM engines makes it a formidable competitor to any re-engine alternative."

About AerCap Holdings N.V.

AerCap is the world's leading independent aircraft leasing company. AerCap also provides engine leasing, aircraft management services, aircraft maintenance, repair and overhaul services and aircraft disassemblies. AerCap is headquartered in The Netherlands and has offices in Ireland, the United States, China, Singapore 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.

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