
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 May 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

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

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.

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

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 May 27, 2010, AerCap Holdings N.V. announced that its Annual General Meeting of Shareholders held on May 27, 2010 appointed Michael Gradon, Niall Greene, and Paul T. Dacier as new members of its Board of Directors.

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: May 27, 2010

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EXHIBIT INDEX

99.1 AerCap Holdings N.V. Press Release.

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PRESS RELEASE

**AerCap Annual General Meeting Approves Appointment
of Three New Board Directors**

Amsterdam, The Netherlands; May 27, 2010 – AerCap Holdings N.V. (“AerCap”, NYSE: AER) today announced that its Annual General Meeting of Shareholders (AGM) held on May 27, 2010, appointed Michael Gradon, Niall Greene, and Paul T. Dacier as new members of its Board of Directors. They have been appointed with immediate effect and for a period of four years. Mr. Gradon, Mr. Greene and Mr. Dacier had previously been serving on the Board of Genesis Lease, which AerCap acquired in an all-share transaction in March 2010.

Pieter Korteweg, Chairman of the Board of Directors of AerCap Holdings N.V., said: “I am delighted to welcome Michael Gradon, Niall Greene and Paul Dacier to the Board of Directors. They bring many decades of experience from a wide range of industries to the company, including four decades of working in the aviation industry. I am convinced that AerCap will greatly benefit from their vast knowledge and insight.”

Further information on the composition of the Board of AerCap Holdings N.V. and biographies can be found on the company’s website at www.aercap.com.

All other proposals made to shareholders at the AGM were also accepted.

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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