

AerCap Holdings N.V.  
Form SC 13G  
February 14, 2017  
UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549

SCHEDULE 13G

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

AerCap Holdings N.V.  
(Name of Issuer)

Ordinary Shares, par value €0.01 per share  
(Title of Class of Securities)

N00985106  
(CUSIP Number)

December 31, 2016  
(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. Beneficial ownership information contained herein is given as of the date listed above.

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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Names of Reporting  
Persons.

1  
Greenlight Capital, Inc.

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  
0 shares

6 Shared Voting Power

7,157,352 shares

7 Sole Dispositive Power

0 shares

8 Shared Dispositive Power

7,157,352 shares

9  
Aggregate Amount  
Beneficially Owned by Each

Reporting Person

7,157,352 shares

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

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

3.9%

12 Type of Reporting Person  
(See Instructions)

IA

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Names of Reporting  
Persons.

1

DME Advisors, LP

Check the Appropriate Box  
if a Member of a Group (See  
Instructions)

2

(a)

(b)

SEC Use Only

3

Citizenship or Place of  
Organization.

4

Delaware

Number  
of Shares  
Beneficially  
Owned by  
Each  
Reporting  
Person With

5 Sole Voting Power

0 shares

6 Shared Voting Power

1,673,700 shares

7 Sole Dispositive Power

0 shares

8 Shared Dispositive Power

1,673,700 shares

9

Aggregate Amount  
Beneficially Owned by Each

Reporting Person

1,673,700 shares

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

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

0.9%

12 Type of Reporting Person  
(See Instructions)

IA

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Names of Reporting  
Persons.

1 DME Capital Management,  
LP

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

0 shares

6 Shared Voting Power

3,583,243 shares

7 Sole Dispositive Power

0 shares

8 Shared Dispositive Power

3,583,243 shares

9

Aggregate Amount  
Beneficially Owned by Each  
Reporting Person

3,583,243 shares

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

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

2.0%

12 Type of Reporting Person  
(See Instructions)

IA

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Names of Reporting  
Persons.

1

DME Advisors GP, LLC

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

0 shares

6 Shared Voting Power

5,256,943 shares

7 Sole Dispositive Power

0 shares

8 Shared Dispositive Power

5,256,943 shares

9

Aggregate Amount  
Beneficially Owned by Each



Reporting Person

5,256,943 shares

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

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

2.9%

12 Type of Reporting Person  
(See Instructions)

HC

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Names of Reporting  
Persons.

1

David Einhorn

Check the Appropriate Box  
if a Member of a Group (See  
Instructions)

2

(a)

(b)

SEC Use Only

3

Citizenship or Place of  
Organization.

4

U.S. Citizen

Number  
of Shares  
Beneficially  
Owned by  
Each  
Reporting  
Person With

5 Sole Voting Power

0 shares

6 Shared Voting Power

12,621,325 shares

7 Sole Dispositive Power

0 shares

8 Shared Dispositive Power

12,621,325 shares

9

Aggregate Amount  
Beneficially Owned by Each

Reporting Person

12,621,325 shares

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

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

6.9%

12 Type of Reporting Person  
(See Instructions)

HC

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**SCHEDULE 13G**

This Schedule 13G relating to ordinary shares, par value €0.01 per share (“Ordinary Shares”) of AerCap Holdings N.V., a Netherlands corporation (the “Company” or the “Issuer”), is being filed on behalf of Greenlight Capital, Inc., a Delaware corporation (“Greenlight Inc.”), DME Advisors, LP, a Delaware limited partnership (“DME Advisors”), DME Capital Management, LP, a Delaware limited partnership (“DME CM”), DME Advisors GP, LLC, a Delaware limited liability company (“DME GP” and together with Greenlight Inc., DME Advisors and DME CM, “Greenlight”), and Mr. David Einhorn, the principal of Greenlight (collectively with Greenlight, the “Reporting Persons”).

This Schedule 13G relates to Ordinary Shares of the Issuer held by Greenlight for the account of private investment funds and other accounts for which Greenlight acts as investment manager (or general partner of the investment manager) and with respect to which Mr. Einhorn may be deemed to have indirect investment and/or voting power as the principal of Greenlight and other affiliated entities. DME GP is the general partner of DME Advisors and of DME CM.

The filing of this Schedule 13G shall not be construed as an admission that any of the Reporting Persons is for the purposes of Section 13(d) or 13(g) of the Securities Exchange Act of 1934, the beneficial owner of any of the Common Shares reported herein. Pursuant to Rule 13d-4, each of the Reporting Persons disclaims all such beneficial ownership except to the extent of its pecuniary interest in any Ordinary Shares, if applicable.

Item 1.

(a) Name of Issuer

AerCap Holdings N.V.

(b) Address of Issuer’s Principal Executive Offices

AerCap House, 65 St. Stephen’s Green, Dublin 2, Ireland

Item 2.

(a) Name of Person Filing

Greenlight Inc.  
DME Advisors  
DME CM  
DME GP  
David Einhorn

(b) Address of Principal Business Office or, if none, Residence

The principal business office of each the Reporting Persons is 140 East 45<sup>th</sup> Street, 24<sup>th</sup> Floor, New York, New York 10017.

(c) Citizenship

Greenlight Inc. is a corporation organized under the laws of the State of Delaware.  
DME Advisors is a limited partnership organized under the laws of the State of Delaware.  
DME CM is a limited partnership organized under the laws of the State of Delaware.  
DME GP is a limited liability company organized under the laws of the State of Delaware.  
David Einhorn is a United States citizen

(d) Title of Class of Securities

Ordinary Shares, par value €0.01 per share

(e) CUSIP Number

N00985106

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. 78o).
- (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
- (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)  A non-U.S. institution in accordance with §240.13d-1(b)(1)(ii)(J);
- (k)  Group, in accordance with §240.13d-1(b)(1)(ii)(K).

If filing as a non-U.S. institution in accordance with § 240.13d-1(b)(1)(ii)(J), please specify the type of institution:

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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.

Amount  
(a) Beneficially  
Owned

Greenlight  
Inc. may be  
deemed the  
beneficial  
owner of  
7,157,352  
shares

DME  
Advisors  
may be  
deemed the  
beneficial  
owner of  
1,673,700  
shares

DME CM  
may be  
deemed the  
beneficial  
owner of  
3,583,243  
shares

DME GP  
may be  
deemed the  
beneficial  
owner  
of 5,256,943  
shares

David  
Einhorn may  
be deemed  
the beneficial  
owner of  
12,621,325  
shares

(b) Percent of  
Class

The information set forth in Rows 5 through 11 on the cover page for each Reporting Person is hereby incorporated by reference into this Item 4(b) for each such Reporting Person. The percentages reported herein are calculated on the basis of there being 181,743,634 Ordinary Shares outstanding as of September 30, 2016, as reported in the Issuer's report on Form 6-K filed by the Issuer with the SEC on November 8, 2016.

Number of shares as to  
(c) which such person has:

The information set forth in Rows 5 through 11 on the cover

page for each  
Reporting  
Person is  
hereby  
incorporated  
by reference  
into this Item  
4(b) for each  
such  
Reporting  
Person.

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 [ ].

Not applicable.

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

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. Certifications

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, other than activities solely in connection with a nomination under §240.14a-11.

Exhibits Exhibit

99.1 Joint Filing Agreement by and among the Reporting Persons.





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.

Date: February 14, 2017

GREENLIGHT CAPITAL, INC.

By: /s/ DANIEL ROITMAN

Daniel Roitman

Chief Operating Officer

DME ADVISORS, LP

By: DME Advisors GP, LLC,  
its General Partner

By: /s/ DANIEL ROITMAN

Daniel Roitman

Chief Operating Officer

DME CAPITAL MANAGEMENT, LP

By: DME Advisors GP, LLC,  
its General Partner

By: /s/ DANIEL ROITMAN

Daniel Roitman

Chief Operating Officer

DME ADVISORS GP, LLC

By: /s/ DANIEL ROITMAN

Daniel Roitman

Chief Operating Officer

/s/ DANIEL ROITMAN\*

Daniel Roitman, on behalf of David Einhorn

\* The Power of Attorney executed by David Einhorn, authorizing the signatory to sign and file this Schedule 13G on David Einhorn's behalf, filed as Exhibit 99.2 to the Schedule 13G filed with the Securities and Exchange Commission on May 24, 2010 by the Reporting Persons with respect to the common stock of NCR Corporation, is hereby incorporated by reference.