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**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION**  
Washington, DC 20549

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**FORM 6-K**

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**REPORT OF FOREIGN PRIVATE ISSUER  
PURSUANT TO RULE 13a-16 OR 15d-16  
UNDER THE SECURITIES EXCHANGE ACT OF 1934**

Report on Form 6-K dated June 5, 2018

(Commission File No. 001-35053)

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**INTERXION HOLDING N.V.**

(Translation of Registrant's Name into English)

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**Scorpius 30, 2132 LR Hoofddorp, The Netherlands, +31 20 880 7600**  
(Address of Principal Executive Office)

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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):

**Note:** Regulation S-T Rule 101(b)(7) only permits the submission in paper of a Form 6-K if submitted to furnish a report or other document that the registrant foreign private issuer must furnish and make public under the laws of the jurisdiction in which the registrant is incorporated, domiciled or legally organized (the registrant's "home country"), or under the rules of the home country exchange on which the registrant's securities are traded, as long as the report or other document is not a press release, is not required to be and has not been distributed to the registrant's security holders, and, if discussing a material event, has already been the subject of a Form 6-K submission or other Commission filing on EDGAR.

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**INFORMATION CONTAINED IN THIS FORM 6-K REPORT**

This report contains InterXion Holding N.V.'s press release announcing a private offering of €1,000,000,000 of Senior Notes due 2025.

**This Report on Form 6-K is incorporated by reference into (i) the Registration Statement on Form S-8 of the Registrant originally filed with the Securities and Exchange Commission on June 23, 2011 (File No. 333-175099), (ii) the Registration Statement on Form S-8 of the Registrant originally filed with the Securities and Exchange Commission on June 2, 2014 (File No. 333-196447) and (iii) the Registration Statement on Form S-8 of the Registrant originally filed with the Securities and Exchange Commission on May 31, 2017 (File No. 333-218364).**

Exhibit

99.1 Press release announcing a private offering of €1,000,000,000 of Senior Notes due 2025 dated June 5, 2018.

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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.

INTERXION HOLDING N.V.

By: /s/ David C. Ruberg

Name: David C. Ruberg

Title: Chief Executive Officer

Date: June 5, 2018



Press Release, June 5, 2018

**NOT FOR DISTRIBUTION TO ANY PERSON LOCATED OR RESIDENT IN ANY JURISDICTION  
WHERE IT IS UNLAWFUL TO DISTRIBUTE THIS ANNOUNCEMENT.**

**InterXion Holding N.V. Announces Private Offering of €1,000,000,000 of Senior Notes due 2025**

**Amsterdam, The Netherlands — June 5, 2018** - InterXion Holding N.V. (“InterXion”, “we”, “us”, or the “Company”) (NYSE: INXN) today announced that it intends to offer, subject to market and other conditions, €1,000,000,000 aggregate principal amount of senior notes due 2025 (the “Notes”) and that it expects to enter into a new €200,000,000 senior unsecured revolving credit facility (the “Revolving Credit Facility”) upon completion of the offering of the Notes. The Notes and the Revolving Credit Facility will be guaranteed by certain subsidiaries of the Company.

The Company expects to use proceeds from the offering of the Notes (i) to redeem the entire outstanding principal amount of its €625 million 6.00% senior secured notes due 2020, (ii) to repay €100 million in amounts drawn under its €100 million super senior revolving credit facility, €100 million in amounts drawn under its €100 million senior secured revolving facility, €50 million in amounts drawn under its €225 million unsecured subordinated revolving credit facility and to terminate each of these facilities, (iii) for general corporate purposes and (iv) to pay fees and expenses incurred in connection with the offering and the refinancing.

The Notes and the guarantees thereof have not been registered under the Securities Act of 1933, as amended (the “Securities Act”), or applicable state securities laws. Accordingly, the Notes will be offered only to qualified institutional buyers and to persons outside the United States in reliance on Rule 144A and Regulation S under the Securities Act, respectively. Unless so registered, the Notes may not be offered or sold in the United States except pursuant to an exemption from the registration requirements of the Securities Act and applicable state securities laws. Prospective purchasers that are qualified institutional buyers are hereby notified that the seller of the Notes may be relying on the exemption from the provisions of Section 5 of the Securities Act provided by Rule 144A.

This news release shall not constitute an offer to sell or the solicitation of an offer to buy these securities, nor shall there be any sale of these securities in any state or jurisdiction in which such offer, solicitation or sale would be unlawful prior to registration or qualification under the securities laws of any such state.

Neither the content of InterXion’s website nor any website accessible by hyperlinks on InterXion’s website is incorporated in, or forms part of, this announcement. The distribution of this announcement into certain jurisdictions may be restricted by law. Persons into whose possession this announcement comes should inform themselves about and observe any such restrictions. Any failure to comply with these restrictions may constitute a violation of the securities laws of any such jurisdiction.

**Forward-looking Statements**

This press release contains forward-looking statements that involve risks and uncertainties. Actual results may differ materially from expectations discussed in such forward-looking statements. Factors that might cause such differences include, but are not limited to, the difficulty of reducing operating expenses in the short term, inability to utilise the capacity of newly planned data centres and data centre expansions, significant competition, the cost and supply of electrical power, data centre industry over-capacity, performance under service-level agreements, and other risks described from time to time in InterXion’s filings with the Securities and Exchange Commission. InterXion does not assume any obligation to update the forward-looking information contained in this press release.

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**Contact:**

Jim Huseby  
Investor Relations  
InterXion  
Tel: +1-813-644-9399  
IR@interxion.com

*Promotion of the Notes in the United Kingdom is restricted by the Financial Services and Markets Act 2000 (the "FSMA"), and accordingly, the Notes are not being promoted to the general public in the United Kingdom. In the United Kingdom, this announcement is for distribution only to, and is only directed at, persons who (i) have professional experience in matters relating to investments falling within Article 19(5) of the Financial Services and Markets Act 2000 (Financial Promotion) Order 2005, as amended (the "Financial Promotion Order"), (ii) are persons falling within Article 49(2)(a) to (d) (high net worth companies, unincorporated associations, etc.) of the Financial Promotion Order, or (iii) are persons to whom an invitation or inducement to engage in investment activity within the meaning of section 21 of the FSMA in connection with the issue or sale of any securities may otherwise lawfully be communicated or caused to be communicated (all such persons together being referred to as "relevant persons"). This announcement is directed only at relevant persons in the United Kingdom and must not be acted on or relied on in the United Kingdom by anyone who is not a relevant person.*

*MiFID II professionals/ECPs-only/No PRIIPs KID. Manufacturer target market (MIFID II product governance) is eligible counterparties and professional clients only (all distribution channels). No PRIIPs key information document (KID) has been prepared as not available to retail in the European Economic Area.*

*This announcement contains inside information under Regulation (EU) 596/2014 (16 April 2014).*