

---

---

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

---

**FORM 6-K**

---

**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 January 4, 2017

(Commission File No. 001-35053)

---

**INTERXION HOLDING N.V.**

(Translation of Registrant's Name into English)

---

**Tupolevlaan 24, 1119 NX Schiphol-Rijk, The Netherlands, +31 20 880 7600**  
(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):

**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.

---

---

---

INFORMATION CONTAINED IN THIS FORM 6-K REPORT

On January 3, 2017, 22,144 shares of common stock of Interxion Holding N.V. owned by our Chief Executive David Ruberg were sold, in the open market at prevailing market prices. The 22,144 shares of common stock were sold to cover the taxes due on the vesting on January 1, 2017 of 19,143 and 35,431 performance shares approved by the general meeting of shareholders of Interxion on June 24, 2016. The 19,143 and 35,431 performance shares were issued pursuant to the Company's 2013 Amended International Equity Based Incentive Plan. After giving effect to these transactions, as of January 3, 2017, Mr. Ruberg owns 929,986 shares of common stock and holds options covering 300,000 shares of common stock which are fully vested.

**This Report on Form 6-K is incorporated by reference into 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) and into 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).**

---

**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: January 4, 2017