
**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549**

FORM 6-K

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

For the month of October 2024

Commission File Number: 001-40370

BITFARMS LTD.
(Translation of registrant's name into English)

110 Yonge Street, Suite 1601, Toronto, Ontario, Canada M5C 1T4
(Address of principal executive offices)

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

DOCUMENTS INCLUDED AS PART OF THIS FORM 6-K

Exhibit 99.1 of this Report on Form 6-K is incorporated by reference into the Registration Statement of Bitfarms Ltd. on [Form F-10](#) (File No. 333-272989), as amended or supplemented.

See the Exhibits listed below.

Exhibits

<u>Exhibit No.</u>	<u>Description</u>
99.1	Consent of Urish Popeck & Co., LLC

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.

BITFARMS LTD.

By: /s/ Ben Gagnon
Name: Ben Gagnon
Title: Chief Executive Officer

Date: October 4, 2024

Consent of Independent Registered Public Accounting Firm

We hereby consent to the use in the amended and restated prospectus supplement dated October 4, 2024 relating to the US\$126,874,834 at-the-market offering of common shares of Bitfarms Ltd. (the "Company") together with the accompanying short form base shelf prospectus dated November 10, 2023 (together, the "Prospectus") constituting a part of the Company's Registration Statement on Form F-10 (File No. 333-272989) (the "Registration Statement") of our report dated March 8, 2024, relating to the consolidated financial statements of Stronghold Digital Mining, Inc., which is contained in that Prospectus and the Registration Statement.

We also consent to the reference to us under the caption "Names of Experts" in the Prospectus and the Registration Statement.

/s/ Urish Popeck & Co., LLC
Pittsburgh, Pennsylvania
October 4, 2024