

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 OF THE SECURITIES EXCHANGE ACT OF 1934

For the Month of February 2025 Commission File Number 001-40504 Nexxen International Ltd. (Translation of registrant's name into English) 82 Yigal Alon Street, Tel Aviv 6789124, Israel (Address of principal executive office) Indicate by check mark whether the registrant files or will file annual reports under cover 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): 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): Explanatory Note On February 3, 2025, the Company issued an announcement titled "Total Voting Rights" pursuant to the AIM Market Rules, a copy of which is attached as Exhibit 99.1 to this Form 6-K. The information in this report of foreign private issuer on Form 6-K is hereby incorporated by reference into the Company's registration statement on Form S-8 (Registration No. 333-258731), to be a part thereof from the date on which this report is submitted, to the extent not superseded by documents or reports subsequently filed or furnished. Exhibit 99.1 Company announcement dated February 3, 2025, "Total Voting Rights".

SIGNATURES 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. Nexxen International Ltd.

By: /S/ Sagi Niri Name: Sagi Niri Title: Chief Financial Officer Date: February 3, 2025

Exhibit List Exhibit 99.1 Company announcement dated February 3, 2025, "Total Voting Rights".

Exhibit 99.1 3 February 2025 Nexxen International Ltd. ("Nexxen" or the "Company") Total Voting Rights

For the purposes of the Financial Conduct Authority's Disclosure and Transparency Rules, Nexxen notifies the market that as at 3 February 2025, the Company's issued share capital consists of 197,973,693 ordinary shares with a nominal value of NIS0.01 each ("Ordinary Shares"), along with 68,924,107 shares reclassified as dormant shares under the Israeli Companies Law (without any rights attached thereon), the Company holds these dormant shares in Treasury. Therefore, the total number of shares with voting rights is 129,049,586. The above figure of 129,049,586 Ordinary Shares may be used by shareholders in the Company as the denominator for the calculations by which they will determine if they are required to notify their interest in, or a change in their interest in, the share capital of the Company under the FCA's Disclosure and Transparency Rules.

For further information please contact: Nexxen International Ltd. Billy Eckert, Vice President of Investor Relations ir@nexxen.com Caroline Smith, Vice President of Communications csmith@nexxen.com Vigo Consulting (U.K. Financial PR & Investor Relations) Jeremy Garcia / Peter Jacob Tel: +44 20 7390 0230 or nexxen@vigoconsulting.com Cavendish Capital Markets Limited Jonny Franklin-Adams / Seamus Fricker / Rory Sale (Corporate Finance) Tim Redfern / Jamie Anderson (ECM) Tel: +44 20 7220 0500

About Nexxen Nexxen empowers advertisers, agencies, publishers and broadcasters around the world to utilize data and advanced TV in the ways that are most meaningful to them. Our flexible and unified technology stack comprises a demand-side platform ("DSP") and supply-side platform ("SSP"), with the Nexxen Data Platform at its core. With streaming in our DNA, Nexxen's robust capabilities span discovery, planning, activation, monetization, measurement and optimization - available individually or in combination - all designed to enable our partners to achieve their goals, no matter how far-reaching or hyper niche they may be. Nexxen is headquartered in Israel and maintains offices throughout the United States, Canada, Europe and Asia-Pacific, and is traded on the London Stock Exchange (AIM: NEXN) and NASDAQ (NEXN). For more information, visit www.nexxen.com.