

0001104659-24-1250926-K Arqit Quantum Inc. 2024120320241203163012163012163012 0 0001104659-24-125092 6-K 1 20241203 20241203 20241203 Arqit Quantum Inc. 0001859690 7372 000000000 E9 0930 6-K 34 001-40777 241523199 3 ORCHARD PLACE LONDON X0 SW1H 0BF 44 203 91 70155 3 ORCHARD PLACE LONDON X0 SW1H 0BF 6-K 1 tm2430053d1_6k.htm FORM 6-K 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 December 2024 Commission File Number: 001-40777 ARQIT QUANTUM INC. (Exact name of registrant as specified in its charter) 1st Floor, 3 Orchard Place London, SW1H 0BF United Kingdom (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 x Form 40-F EXPLANATORY NOTE On November 26, 2024, the board of directors of Arqit Quantum Inc. appointed Nicola Barbiero as a Class I independent director. Mr. Barbiero has nearly two decades of experience in investment management and financial operations. From 2013 to 2020, he held the positions of CFO and CIO at Solidariet  Veneto, one of Italy s largest pension schemes, and in 2020 he joined the Heritage Group as Investment Director. Mr. Barbiero holds a Master s degree in Economics and Finance from Ca  Foscari University of Venice. 1 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. ARQIT QUANTUM INC. By: /s/ Andy Leaver Name: Andy Leaver Title: Chief Executive Officer Date: December 3, 2024 2