9 July 2026
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Quantum Blockchain Technologies Plc
("QBT" or "the Company")
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New Variant of Method B for Bitcoin Mining
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Quantum Blockchain Technologies plc (AIM: QBT), the AIM-listed investment company focused principally on a research and development (â€œR&Dâ€) programme within blockchain technology, announces that one of its R&D teams has developed a â€˜*mathematical onlyâ*€™ variant of Method B, which improves the performance of the winning hash generation without requiring the learning phase which is normally used in guiding the mining strategy of the ASIC.
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This approach uses â€˜Chaos Mathematicsâ€™, which has been studied and applied by one of the leading researchers in the R&D team for several decades and across a variety of applications. The Company has been able to successfully adapt this concept to analyse the hashes generated by the SHA-256 algorithm.
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Extensive in-depth modelling has been performed over the last six months, which has led to identifying winning hashes through stable regularities in the SHA-256 hashes outputs, despite their uniform distribution.
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The result of the discovery of such patterns has led to the identification Â of hidden â€˜structuresâ€™ within the SHA-256 computation process, which has resulted in the ability to identify blocks of inputs to SHA-256 that lead to a *higher density* of winning hashes.
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The team has conducted off-line tests with the Method B variant on a large number of headers computations of SHA-256 which have shown a stable and durable lift (advantage) in the basic performance of SHA-256. The Board believes, therefore, that this novel approach could become a viable Bitcoin mining tool and the Company has commenced live testing using a Bitaxe Gamma miner, based on the Bitmain BM1370 ASIC, and which, if successful, will be followed by live testing on the ASIC manufacturerâ€™s MDK (Mining Development Kit) hashboard.
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The Company will provide updates on the progress of this new variant of Method B, as and when milestones are reached. The Company continues with its testing of its Method C AI Oracle, as reported in its announcement of 8 July 2026.
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Francesco Gardin, CEO and Executive Chairman of QBT, commented, â€œThe incredible scientific creativity of our R&D team has once more demonstrated the quality of results which are produced on one of the toughest cryptographic matters, i.e. the ability to make predictions on SHA-256, an algorithm specifically design to prevent this, hence its adoption as the proof-of-work core mechanism for mining bitcoins.â€
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About Quantum Blockchain Technologies Plc

QBT (AIM: QBT) is a London Stock Exchange AIM listed Research & Development and investing company focused on an intensive R&D programme to disrupt the Blockchain Technologies sector which includes, cryptocurrency mining and other advanced blockchain applications. The primary goal of the R&D programme is to develop Bitcoin mining tools and techniques, via its technology-driven approach, which the Company believes will significantly outperform existing market practices.
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