

The Global Market for Quantum Technologies 2024-2034

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Abstracts

The global quantum technologies market is an emerging industry with the potential to revolutionize computing, cryptography, sensing, imaging, and communications. Billions of dollars have been invested so far, reflecting the massive interest from governments, established tech giants, and venture capitalists.

The Global Market for Quantum Technologies 2024-2034 is a comprehensive 360 page+ overview of the global quantum technology industry, companies, research trends, applications, and future roadmap across computing, cryptography, cybersecurity, communications, sensing, materials science, and more. Report contents include:

Analysis of quantum computing covering the technology, hardware approaches like superconducting and topological qubits, software stack, and applications in optimization, machine learning, chemistry, etc.

Evaluation of quantum software platforms, algorithms, applications. Quantum chemistry simulations and AI as a key application area.

Analysis of quantum communications including quantum networks, cryptography, and the vision for a quantum internet.

Analysis of quantum sensing including atomic clocks, quantum radar, quantum imaging, and potential applications.

Analysis of key start-ups, tech giants, research initiatives, and investments.

Evaluation of the emerging field of quantum batteries.

Global market forecasts to 2034 across quantum computing, communications, cryptography, batteries, chemistry, and sensing segments.

Assessment of technological challenges, opportunities, and use cases driving commercial adoption.

200+ company profiles of startups and corporations working on quantum technologies globally. Companies profiled include Diraq, LQUOM, memQ, Nanofiber Quantum Technologies, Nomad Atomics, Oxford Ionics, PASQAL, Planckian, Polaris Quantum Biotech (POLARISqb), PsiQuantum, Quantum Bridge, QUANTier, Quantum Brilliance, Quantum Motion, Quside Technologies S.L., Quobly, SemiQon, Silicon Extreme, Silicon Quantum Computing (SQC) and Sparrow Quantum.

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