



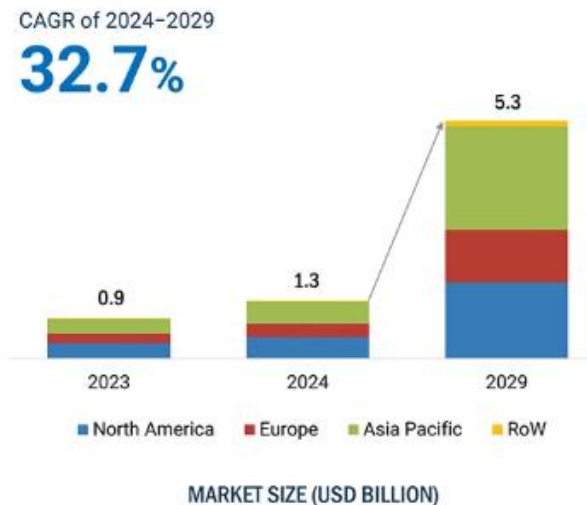
Investment Opportunity In

Cybersecurity Sector _____

Quantum Computing / Quantum Cybersecurity / Quantum Cybersecurity Center

Global Market

The global quantum computing market size is valued at USD 1.3 billion in 2024 and USD 5.3 billion by 2029, growing at a CAGR of 32.7% during the forecast period from 2024 to 2029. This quantum computing report provides an in-depth analysis of the current state of quantum computing and its potential future growth. The growth of quantum computing technology is divided into short-term, mid-term, and long-term terms. Companies in the quantum computing market are focusing on quantum error correction in the short term. The mid-term goal for quantum computing technology is to do error correction. In the long term, companies in quantum computing are expected to focus



Source: [Quantum Computing](#)

Location\ Area



- Muscat

Investment Offer

Oman quantum cryptography market is emerging as a promising sector, driven by the need for advanced cybersecurity solutions. Quantum cryptography leverages the principles of quantum mechanics to secure communication channels, offering unparalleled security against eavesdropping and hacking. The market's growth is supported by the rising adoption of digital transformation initiatives across various sectors, including finance, defense, and telecommunications. Government investments in research and development further boost the market's potential

Source: [Oman Quantum Cryptography Market \(2025-2031\) | Trends, Outlook & Forecast](#)

Opportunity Description

Quantum cybersecurity is an emerging field that leverages the principles of quantum mechanics to enhance digital security. It is a response to the evolving threats posed by quantum computing to conventional cryptographic systems. Traditional cybersecurity methods rely on mathematical complexity to protect data, but quantum computers have the potential to break many of these encryption protocols, necessitating a shift toward quantum-resistant and quantum-enhanced security solutions.

Quantum cybersecurity encompasses two primary approaches: post-quantum cryptography (PQC) and quantum cryptography. PQC involves developing encryption methods that can withstand attacks from quantum computers while remaining compatible with classical systems. On the other hand, quantum cryptography utilizes quantum mechanics principles, such as quantum key distribution (QKD), to create theoretically unbreakable encryption techniques. The opportunity is to establish a cyber-security quantum computing center.

Organizations and governments worldwide are investing in quantum cybersecurity to future-proof their data and communications against potential cyber threats. This field is critical for securing sensitive information, financial transactions, and national security infrastructure.

Source: [What is Quantum Cybersecurity? Impact & Key Features](#)

Key Stakeholder and players

- Ministry of Transport, Communications & IT
- Ministry of Commerce, Industry and Investment promotion.
- Ministry of Higher Education, Research and Innovation (MOHERI)
- Oman Investment Authority
- Cyber Defense Center
- Sultan Qaboos University (SQU)
- University of Technology and Applied Sciences (UTAS)

General Indicators & overview



Total estimated investment
\$20 M



Implementation Duration:
3 - 5 years



Estimated Capex:
\$15 M



Land area:
One year



Expected number of employees
50 - 150

Incentives

- Investments sharing
- Tax exemptions
- Utility subsidies (Electricity, Water, etc....)
- Salary Subsidies for local employees for the first 2 years.
- Training subsidies
- Government support

Local Status

- **Oman Vision 2040** emphasizes **digital transformation, innovation**, and the shift toward a **knowledge-based economy**, creating a strategic foundation for high-tech investments like quantum computing.
- The country is witnessing the rapid **growth of tech parks and innovation zones**, which provide infrastructure and support for R&D and tech-driven businesses:
 - **Knowledge Oasis Muscat (KOM)**
 - **Innovation Park Muscat (IPM)**
 - **Duqm Special Economic Zone (SEZAD)**
- **Oman is strategically positioned as a regional technology and innovation hub**, connecting the GCC region with **Asia and Africa**, making it ideal for international quantum computing partnerships and deployment.
- The government actively promotes emerging technologies through **public-private partnerships, R&D funding**, and **foreign direct investment incentives**, helping turn Oman into a future-ready innovation ecosystem.

Target Market:

Local,

Regional

And Global

