QUANTA DOME

Future of Quantum Computing

2026

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Executive Summary

Quanta Dome and Quanta Universal is at the forefront of leveraging quantum computing and strategic advisory to safeguard critical U.S. infrastructure and influence policy

Quanta Dome is dedicated to executing a government program aimed at hardening U.S. targets against foreign adversaries by deploying quantum computers to protect servers and encrypt network communications. Founded by Mark Reid Davis, a quantum computing expert, the company collaborates closely with the U.S. government to ensure compliance with security requirements and attract top talent in the quantum computing field.

Quanta Universal provides Quantum Education, Diplomacy and Encryption services to the executive, legislative, national security and defense communities. We conduct business through a modularized approach to learning, presidential / executive briefings and ongoing encryption security services.

Business Overview

Principles and real-world applications

Quanta Dome aims to lead in defending against sophisticated cyber threats and securing the nation's critical infrastructure through quantum computing technology and strategic partnerships.

Quantum Computing Advantage	Government Collaboration	Talent Acquisition	Comprehensive Security Solutions	Strategic Positioning
Quantum computers solve complex problems exponentially faster than conventional supercomputers, crucial for cybersecurity	Quanta Dome works with the U.S. government to protect federal and private sector systems, ensuring compliance with security requirements	Attracts top talent in quantum computing, critical for the program's success	Quanta Dome is technology agnostic, providing a holistic approach to cybersecurity, integrating products and services from various vendors	Combines access to target lists, partnerships with national security, and top-tier talent to lead the quantum cybersecurity market

Market Opportunity

Foreign actors are infiltrating our networks, costing the U.S. billions of dollars annually in IP theft, prompting the requirement to deploy supercomputers to secure critical infrastructure.

The West Is Facing A Cybersecurity Crisis

Russia, China, Iran, and other foreign actors are penetrating our networks, stealing secrets, and positioning malware.

The Commission on the Theft of American Intellectual Property estimates that the annual cost from IP theft from the U.S. alone ranges from $225 billion to $600 billion.

General Keith Alexander (former head of the NSA) has called this theft the "greatest transfer of wealth in history".

Beyond the commercial cost lies the binary cost of losing the next war on the first day because critical networks fail.

The U.S. Government Is Reacting

The NSA, the CIA,and the DoD are coordinating a program to deploy quantum supercomputers to harden critical government and commercial networks across the country.

NATO partners are being offered access to this technology.

Quantum Supercomputers can defend a network because their state changes instantly when they are hacked, making any intrusion obvious.

They provide the computing power to make cryptology intrusion extremely difficult for any lesser computer system.

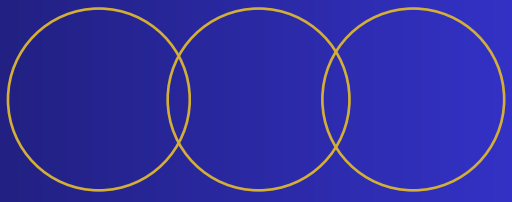
The Challenge

U.S. enterprises are not educated on the potential in quantum computing.

Very few enterprises considered critical by the national security establishment have the expertise to utilize a quantum computer.

This expertise is extremely limited today and mainly resides in research labs and academia.

The government needs an intermediary with the expertise to distribute these computers and support enterprises in their deployment.

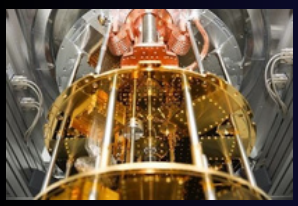


Our Capabilities

Unlocking new possibilities in technology

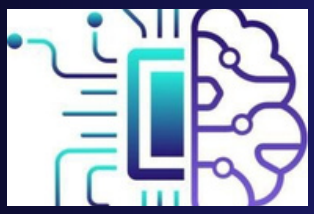
By leveraging Quanta Dome's expertise in quantum algorithms and commitment to security, we can provide our clients with powerful tools to combat threats more effectively.

Quantum Computing Infrastructure



Quanta Dome specializes in providing access to advanced quantumcomputing infrastructure. We can process vast amounts of data at unprecedented speeds.

Quantum Algorithms and Machine Learning

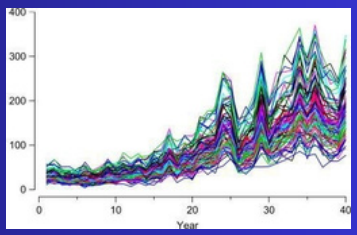


We have expertise in developing quantum algorithms and machine learning models. These can be tailored to detect patterns and anomalies, helping our clients identify threats more efficiently.

Quantum Security and Cryptography

Our team is proficient in quantum-resilient cryptography. We can help develop and implement robust security measures to protect sensitive financial data.

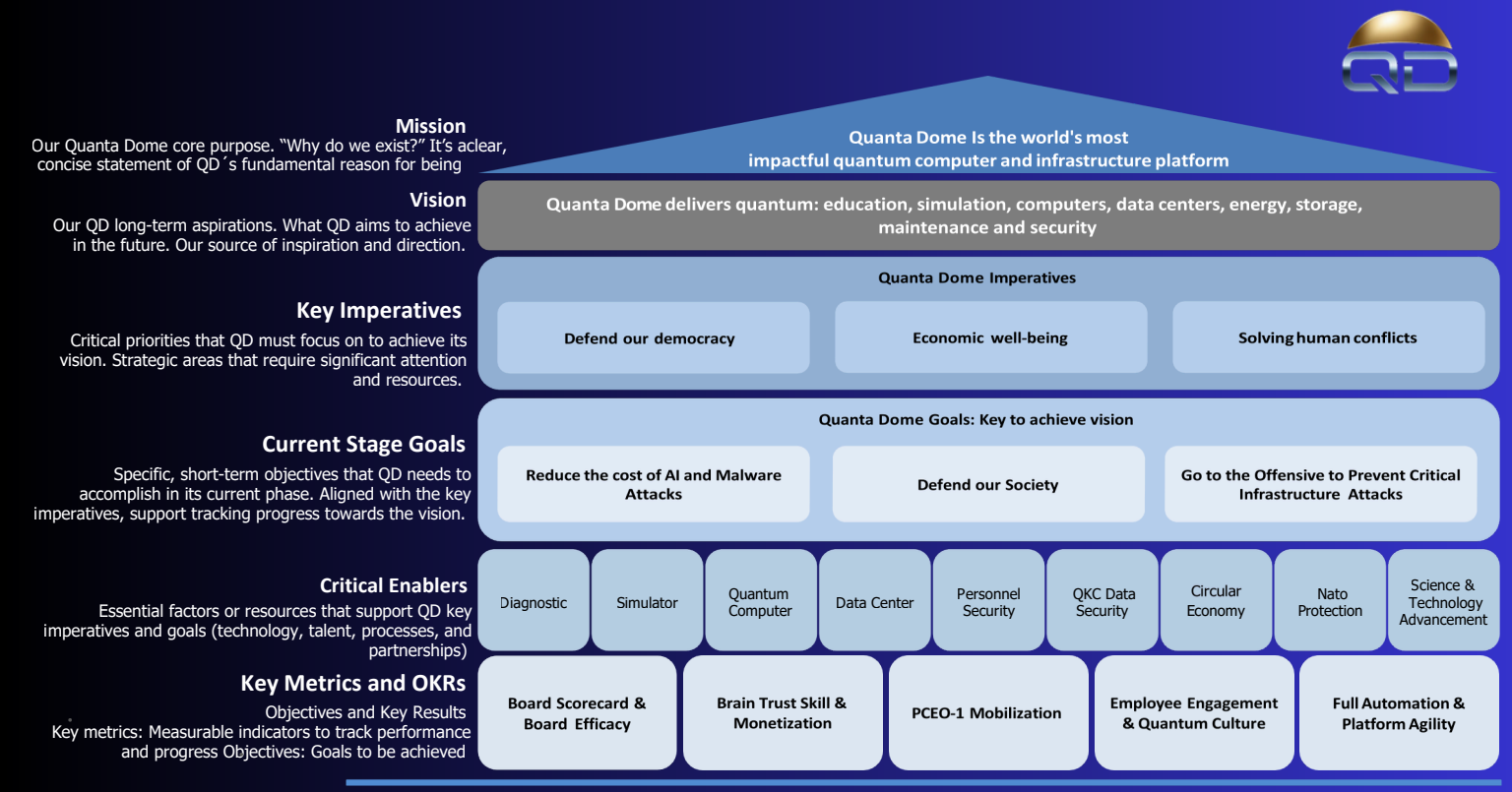
Data Analysis and Simulation



Quanta Dome's quantum computing capabilities can enhance data analysis and simulation efforts. We can provide tools for stress testing, macroeconomic analysis, and financial risk management, enabling more accurate predictions and better decision-making.

Strategic Framework

Quanta Dome is pioneering the future of quantum technology, transforming critical infrastructure with innovative solutions that drive efficiency, security, and growth across diverse sectors.



Our Core Values

At Quanta Dome, our culture is driven by a relentless pursuit of security, collaboration, integrity, innovation, and excellence, empowering us to create transformative solutions that shape the future.

Empower every Quantan to be vigilant and proactive in identifying and mitigating potential security risks through comprehensive education on information management and situational awareness

Harness cutting-edge quantum technology to drive continuous improvement and stay ahead of emerging threats. Encourage creativity and out-of-the-box thinking to develop innovative solutions

Commit to delivering high- quality results and continuously improving our skills and processes to maintain our position as leaders in quantum technology

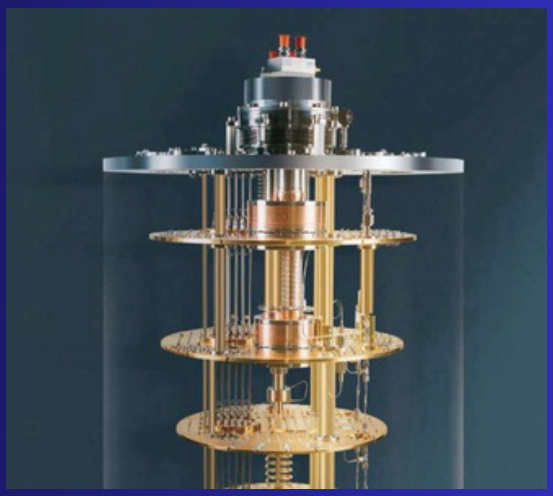
Foster a culture of teamwork, diversity, inclusion and open communication. By working together and sharing knowledge, we can achieve greater success and effectively safeguard our critical infrastructure

Uphold the highest standards of honesty and ethical behavior in all actions. Trust and transparency are the cornerstones of our operations, ensuring that we protect our assets and information with unwavering integrity

Introduction to Quanta Qube Desktop

Revolutionizing modern computing

The Quanta Qube© is at the forefront of the quantum computing revolution, offering unparalleled performance and scalability.



Quanta Universal

Innovating for the future

The purpose of learning modules is to leverage the revolutionary power of quantum computing to bolster national security.

They concentrate on safeguarding essential digital infrastructure, while also tackling the opportunities and risks associated with quantum technologies, ensuring that the United States retains its edge in technology.

By incorporating quantum computing into our strategic plans, we seek to defend against new threats, improve offensive capabilities, and create a solid foundation for future developments.

Golden Dome Initiative

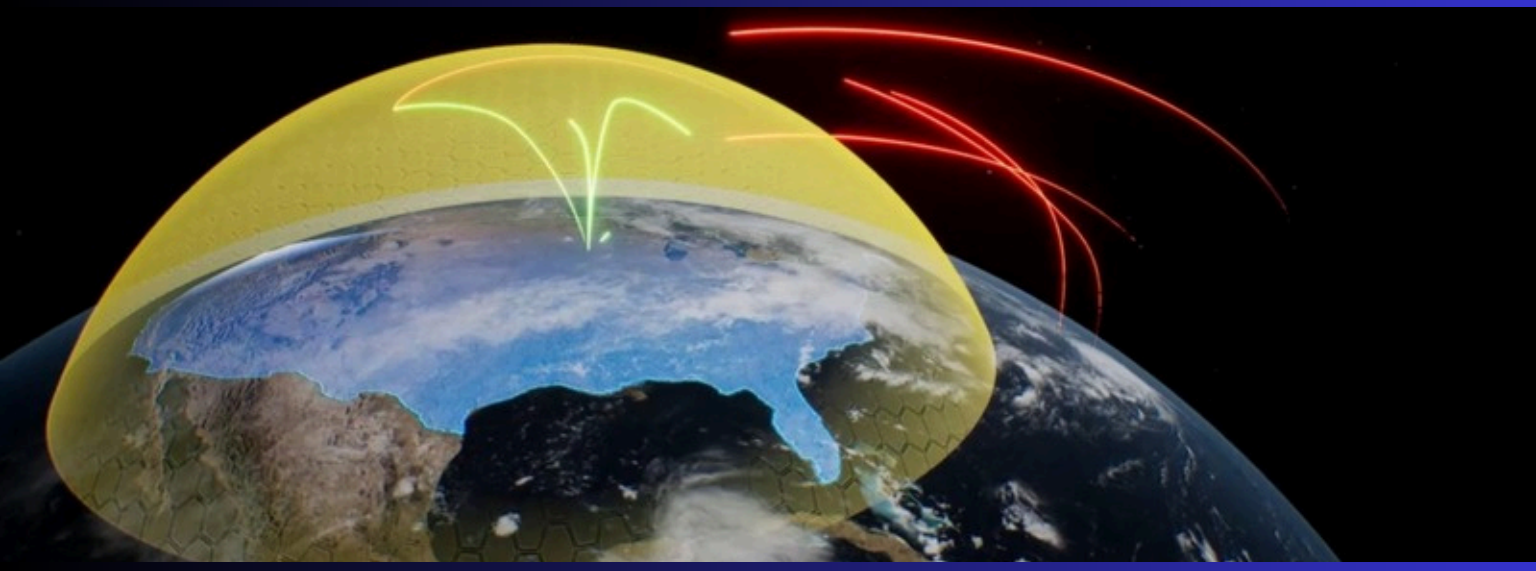
Strengthening Our Tomorrow

Budget Priorities through two critical pillars:

- Quanta Qube: A modular, high-density quantum computing node designed to ingest and process the Genesis Mission's massive federal datasets. It allows for the "Digital Twin" simulation of the Golden Dome, identifying engineering flaws before procurement—ensuring fiscal accountability for the Department of Defense.
- Quanta Dome: A quantum-entangled sensing "skin" that eliminates radar blind spots. By utilizing 100% American-made quantum components, Quanta Dome secures the domestic supply chain against adversarial infiltration and provides the sensory foundation for the national missile shield.

Strategic Support for the Pentagon

The Quanta ecosystem serves as the primary technical enabler for Pentagon operations within the Golden Dome framework. By integrating Quanta Dome's sub-millisecond sensor fusion, we provide the Joint Chiefs of Staff with a "Sovereign Shield" that can track and neutralize threats at quantum speeds. Furthermore, our Quanta Qube nodes offer the Pentagon a verifiable "Stop/Go" mechanism for funding, ensuring that hardware is only deployed once performance is validated in a high-fidelity quantum simulation environment.



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Appendix Learning Modules

Quantum computing will revolutionize international relations, national security, and critical infrastructure protection.

1. **Quanta Universal - 2026 and Beyond**
   Quantum computing will revolutionize international relations, national security, and critical infrastructure protection.
2. **Securing Critical Digital Infrastructure: The Quantum Imperative**
   Immediate action is required to protect critical digital infrastructure from advanced encryption threats posed by quantum computing.
3. **The Juxtaposition of "Useful" Quantum Computing with Adversarial Capabilities**
   Quantum computing presents both opportunities and threats, with adversaries already leveraging its capabilities.
4. **Quanta Dome's Impact on H.R. 6213 – National Quantum Initiative Reauthorization Act**
   $2.7B allocated for quantum-based encryption and security measures to maintain U.S. technological superiority.
5. **Quantum Computing to Enhance Offensive Capabilities**
   Immediate exploration into quantum computing offensive capabilities is critical to national security.