

EXECUTIVE STATEMENT

EnQuanta is a patent-pending complementary quantum cyber resilience solution that provides non-deterministic cryptographic agility. Our QuantaPackTM process uses a hybrid approach of both standard and randomly selected and ordered non-standard ciphers that produce a paired QuantaKeyTM cryptex and QuantaSafeSM ciphertext. EnQuanta protects both data-at-rest and data-in-transit

CORE COMPETENCIES

EnQuanta provides Digital Asset Protection and Anti-Tamper capabilities on data and intellectual property with QuantaPack — our Quantum Cyber Resilience Solution protecting your assets against today's best hackers equipped with AI and tomorrow's AI enhanced quantum computers.

EnQuanta Applications include:

- Data Asset Protection
- Software/Firmware Embedded Anti-Tamper
- Network and Ransomware Protection
- Data Theft Resistance
- Communications and data transfer protection

EnQuanta's product line is designed to provide resistance to hackers who have captured data in transit across unsecured/secured networks or data at rest within your network or embedded devices. Adversaries who try to reconstitute the captured data using dark web tools and/or Artificial Intelligence (AI) enabled Cryptoanalytically Relevant Quantum Computers (CRQC) will find themselves in a virtual sea of nothingness. The captured data is rendered useless to hackers both now and in the future.

CERTIFICATIONS

U.S. Patents Pending

OTA CONSORTIUM AFFILIATIONS

C5, COBRA, NAMC, DOTC, AMTC, IWRP, NSTIC, MSTIC

DIFFERENTIATORS

Quantum Cyber Resilience: EnQuanta's flexibility allows it to keep ahead of both current cyber threats and future attacks from quantum computers and artificial intelligence

Integrated Key Encapsulation Management: Our QuantaKey's are exponentially more complex and obscure than current private/public keys. Unlike private/public keys, the QuantaKeys have no discernable structure or identifiers and can be separated from their QuantaSafe while remaining a matched set.

Better Protection: Our EnQuanta offerings is a complementary solution that seamlessly integrates into existing enterprise and tactical networks. This allows organizations to enhance their existing infrastructure for more secure quantum resilient operations without complete system overhauls.

Proven Cyber Resilience: Independent testing and vulnerability analysis from industry experts concluded — "No significant components or insights have been revealed regarding the reverse engineering of the process...and it would be impossible to reconstitute the data."

Cryptographic Agility: EnQuanta uses various encryption algorithms within its sophisticated and dynamic processes, and supports the latest available NIST standard algorithms, whatever they may be.

NAICS CODES

541511 Computer software programming services

541512 Network systems integration design services

541715 Computer & related hardware R&D laboratories

513210 Applications software, computer, packaged

VULCAN SCOUT CARD



Key Words: Quantum Cyber Resilience, Post Quantum Cryptography, Software Anti-Tamper, Encryption, Secure Communications, Integrated Networks, Cryptographic Agility, Complementary Cybersecurity