

LEADING THE  
COMPUTING REVOLUTION





# SAFE HARBOR

Statements in this presentation that are not descriptions of historical facts are forward-looking statements relating to future events, and as such all forward-looking statements are made pursuant to the Securities Litigation Reform Act of 1995. Statements may contain certain forward-looking statements pertaining to future anticipated or projected plans, performance and developments, as well as other statements relating to future operations and results. Any statements in this presentation that are not statements of historical fact may be considered to be forward-looking statements. Words such as “may,” “will,” “expect,” “believe,” “anticipate,” “estimate,” “intends,” “goal,” “objective,” “seek,” “attempt,” or variations of these or similar words, identify forward-looking statements.

These forward-looking statements by their nature are estimates of future results only and involve substantial risks and uncertainties, including but not limited to risks associated with the uncertainty of future financial results, additional financing requirements, development of new products, successful completion of the Company’s proposed restructuring, the impact of competitive products or pricing, technological changes, the effect of economic conditions and other uncertainties detailed from time to time in our reports filed with the Securities and Exchange Commission.

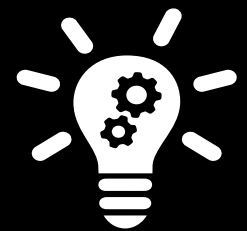
There can be no assurance that our actual results will not differ materially from expectations and other factors more fully described in our public filings with the U.S. Securities and Exchange Commission, which can be reviewed at [www.sec.gov](http://www.sec.gov).



# COMPANY HIGHLIGHTS

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## CREATING MARKET VALUE BY EXPLOITING QUANTUM TECHNOLOGY



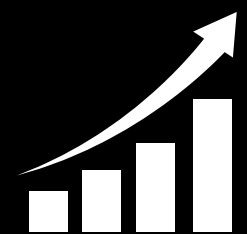
### HIGHLY DISRUPTIVE TECHNOLOGY

Developing a quantum annealer and next generation quantum computing applications in finance & security



### STRONG MANAGEMENT TEAM

World class team of experts in mathematics, quantum physics, supercomputing, finance and cryptography



### LARGE ADDRESSABLE MARKET

The worldwide quantum computing market is forecasted to be in excess of \$10 billion by 2024<sup>1</sup>

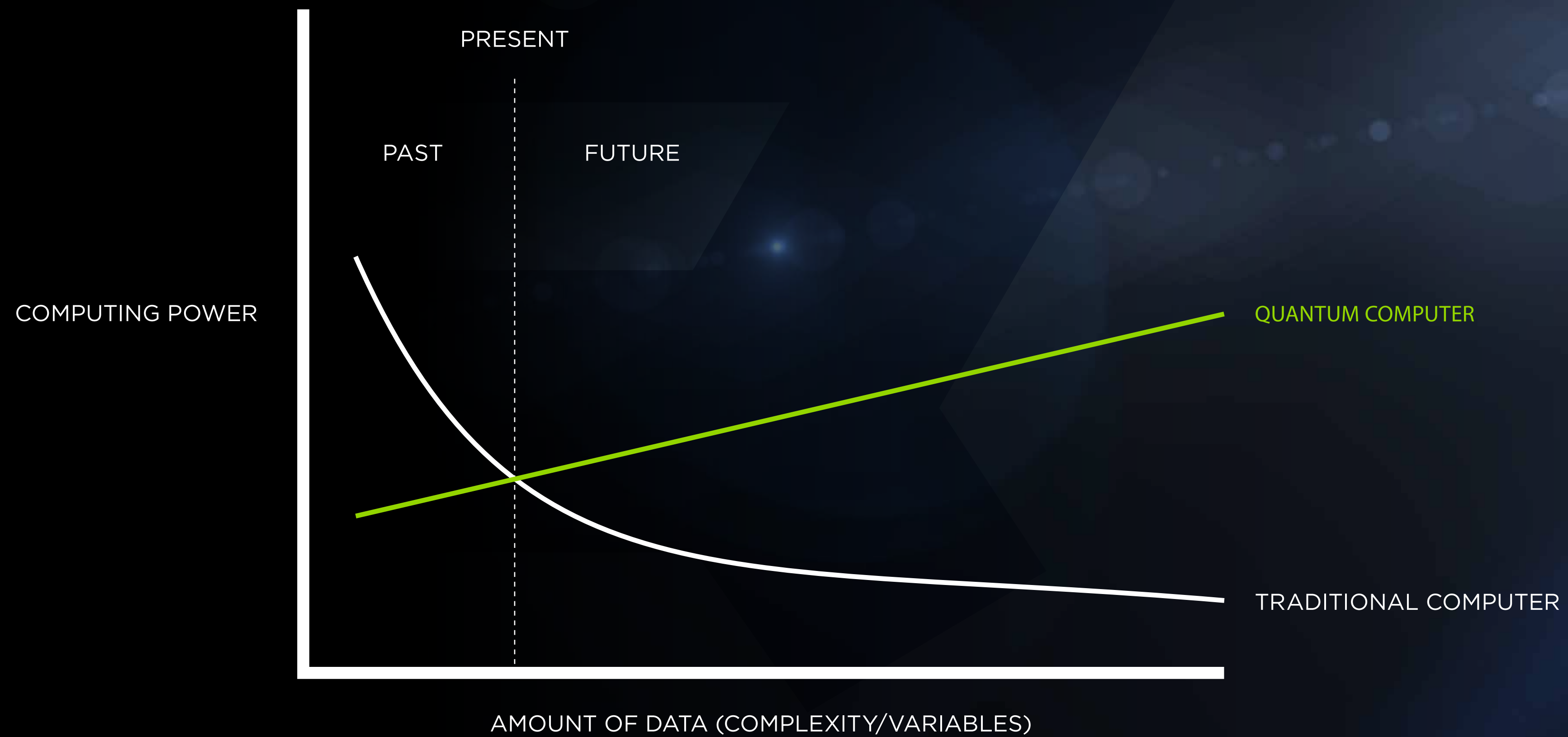


### NEAR TERM CATALYSTS

Revenue generating opportunities with quantum applications & strategic partnerships with Fortune 100 technology and financial services companies

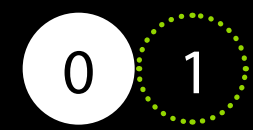
<sup>1</sup> \*Morgan Stanley - A Quantum Leap Toward a Computing Revolution, October 4, 2017

# QUANTUM: A NEW ERA OF COMPUTING HAS ARRIVED

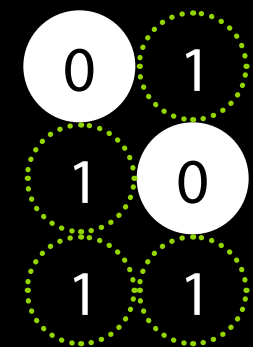


# WHAT IS QUANTUM COMPUTING

## TRADITIONAL COMPUTING



Traditional computers store information in two states: 0 or 1.



Traditional computing runs through all possibilities to process an order. Thus, calculations grow exponentially as more data is added.



## QUANTUM COMPUTING

Quantum computing stores information in quantum bits (“qubits”) represented by an infinite state: anywhere in-between 0 and 1. This infinite state is called “superposition”.

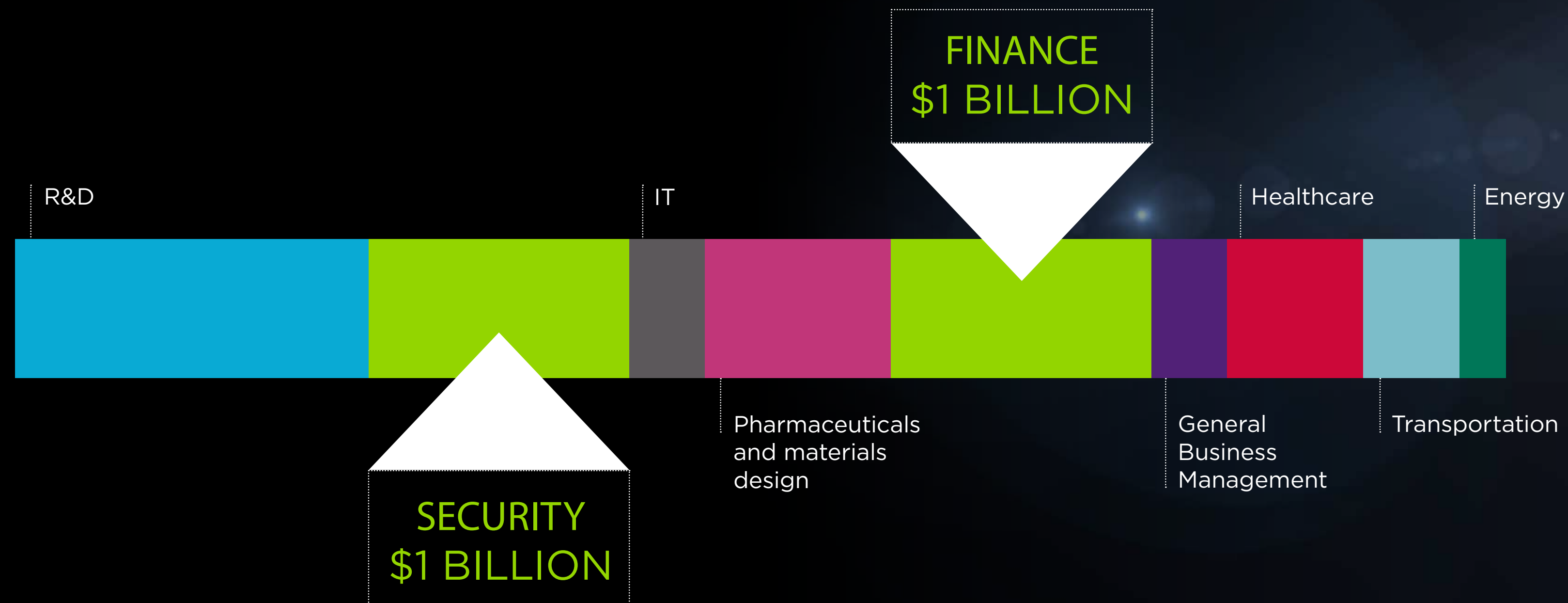


In a quantum computer, the dual identity of qubits means that all calculations can take place at the same time, providing an answer far more quickly than a traditional computer.

**QUANTUM COMPUTING** IS MORE POWERFUL AND CAPABLE OF SOLVING PROBLEMS THAT TRADITIONAL COMPUTERS CANNOT

# CURRENT MARKET OPPORTUNITY: \$10+ BILLION

## Quantum Computing Opportunity by Segment



Annual Growth 2018-2024<sup>1</sup>

<sup>1</sup> Homeland Security Research report: "Quantum Computing Market & Technologies - 2018-2024," (January 2018)



# OUR PRODUCTS



# OUR QUANTUM HARDWARE

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- We intend to design and Implement turn-Key hardware based on artificial intelligence and quantum technology; our quantum simulators and quantum inspired computing will likely enable companies to prepare for the advent of quantum computers and solve problems only capable at the quantum level
- Our annealers and simulators will possess similar characteristics and capabilities of a quantum computer such as working with particles in superposition and quantum entanglement; we also expect to solve NP-complete problems critical for advanced applications in most industries which are currently impossible to solve using traditional CPU/FPGA/GPU based computing
- We will leverage existing intellectual property (90+ issued patents) of our founding management team, new IP, and the experience of our advisory board and management team to be first to market with multiple quantum applications with a large global market opportunity
- As we grow revenue and opportunistically expand our balance sheet, we may begin to responsibly invest in quantum computing hardware and maintaining a leadership position in applications and hardware in the quantum computing field



# APPLICATIONS IN FINANCE

- Algorithmic trading accounts for over 85% of market volume and is an important part of most institutional investment strategies
- Applications powered by our annealer will initially focus on producing algorithms that solve optimal trading trajectory issues
- Specifically, we'll focus on arbitrage opportunities, hedging strategies, maximizing returns while minimizing risk and market deviations
- Our lead technologist and Mathematician, Sergey Shuster, has over 35 years involvement in Quantum and Artificial Intelligence research and applied applications. Many of the fundamental quantitative models used in the financial markets today were developed by or assisted by Sergey
- Potential near-term revenue from pre-payment of licensing fees by institutional clients

**10,000**  
hedge funds globally

**\$6.1 Billion**  
algorithmic trades per day

**\$1 Billion+**  
market opportunity<sup>1</sup>

<sup>1</sup> Research and Markets Report, "Algorithmic Trading Market 2025 Global Analysis and Forecasts", January 9 2018

# APPLICATIONS IN SECURITY

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- Quantum cryptography is the science of exploiting quantum mechanical properties to perform cryptographic tasks more efficiently
- Public Key Infrastructure certificates, the basis of encrypted data exchange, will be replaced with quantum applications
- We have recruited what may be one of the world's foremost experts in cryptography to serve on our advisory board and assist in the development of these applications
- Commercial stage quantum cryptography applications anticipated to launch Q1 2019

**\$6 Trillion**  
cost of global cyber crime  
annually

**\$1 Trillion**  
cybersecurity spending from  
2017-2021

**7.5 Billion**  
internet users globally by  
2030<sup>1</sup>

<sup>1</sup> CSO - CyberSecurity Business Report, January 23, 2018



# DEVELOPMENT TIMELINE

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- 2018 ● Assemble World Class Team & Advisory Board
- 2018 ● Hardware Partnership with Leading Tech Company
- 2018 ● Explore Opportunities For Industry Consolidation
- 2019 ● Licensing of Finance Applications
- 2019 ● Commercialization/Licensing of Cryptography Applications
- 2019 ● Quantum Annealer Commercialization/Licensing
- 2019 ● Commercial Launch of Finance Applications
- 2020 ● Ongoing R&D Related to Quantum Hardware and Applications

# LEADERSHIP TEAM



**Robert Liscouski** | Chairman & CEO

- Former President & CEO of Implant Sciences (sold for \$118 million)
- Appointed by President Bush as First Assistant Secretary for Infrastructure Protection at the Department of Homeland Security
- Deep experience in technology, security and organizational management
- MPA - Kennedy School of Government, Harvard University



**Richard Malinowski** | CTOO

- Implemented first Supercomputer (MPP) on Wall Street
- Member of 3 fintech startups (acquired for combined \$385 million)
- 90+ patent claims in A.I., Security Systems, and High Performance Computing
- Former Board Member of the High Performance Computing/Blade Systems Council at the International Supercomputing Conference, Europe



**Chris Roberts** | CFO & General Counsel

- Former CFO of Systems Made Simple (acquired by Lockheed Martin) and CFO of Integral Systems (NASDAQ: INTC) (acquired by Kratos Defense)
- Strong background in finance, business law and government contracting
- BS (EE) and MBA from Massachusetts Institute of Technology (MIT)
- JD from University of Virginia Law School



# LEADERSHIP TEAM CONT'D

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## **Sergey Shuster** | Quantitative Data Scientist

- Mathematical Olympiad Winner
- PhD graduate of Mathematics and Applied Mathematics at Novosibirsk University
- PhD Economics, Graduate Center City University

## **Thomas M. Kelly, CPA** | Director, Development

- 30 years of executive management experience
- Diverse background in all phases of operational control
- Deep experience with DOD defense startup (progressed to over 3 billion)

## **Ulf Mattsson** | Advisory Board Member

- One of the world's foremost experts in Cryptography
- Holder of 20+ patents
- Master's degree in physics from Chalmers University of Technology, Sweden

## **Bertrand Velge** | Director

- 20 years of experience in multi-disciplinary venture investing
- Managing Director & Co-Founder of IPO Fund
- Director of a Family Office with investments of 65+M Euro

# INVESTMENT HIGHLIGHTS

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QUANTUM COMPUTING INC. is the first and only publicly traded, pure-play quantum computing company. We believe we can create tremendous value for our shareholders through achievable, near term execution of our diversified business plan.

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**Strong Management Team:** Executives with over a century of combined experience in Super Computing, Quantum Physics, Financial Algorithms & Cryptology

**Large Addressable Market:** Our applications aim to target billion dollar global markets coveted by major industries and governments

**Attractive Valuation:** Our Series A financing is being done at an approximate \$10M pre-money valuation

**Fully Financed:** Our anticipated Series A financing should be able to fully fund the development of our quantum annealer and applications in finance and



# Thank you

[www.quantumcomputinginc.com](http://www.quantumcomputinginc.com)