

# Quantum Computing Inc.

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## Quantum Computing plans to introduce dynamism of Quantum computing to the masses

- Set up at the start of 2018, Quantum bills itself as the first pure-play publicly-traded quantum computing company
- The company is introducing a collection of applications - useful in investment management, big data and artificial intelligence - which aim to help companies use the power of Quantum computing to their advantage
- The key advance is its development of a quantum annealer, a simulator that mimics quantum computing and functions at speeds of up to 12 qubits

### What Quantum Computing does:

Quantum Computing Inc (OTCMKTS:QUBT) is placing a gargantuan bet on the power of quantum computers to solve the most difficult and intractable problems in the fields of portfolio management, big data and artificial intelligence.

Staffed by experts in mathematics, quantum physics, supercomputing, financing and cryptography, the Leesburg, Virginia-based company is developing an array of applications to allow companies to exploit the power of quantum computing to their advantage.

Quantum computing holds the promise of performing complex calculations in seconds that would take the most advanced computers years to complete.

While the abilities of classical computers have made considerable progress, quantum computers are necessary to address the largest and most complex computational problems.

"We're at the same stage in quantum computing today," says CEO Robert Liscouski. "People generally understand what quantum computing can do, but they don't understand what it's really going to do."

In market terms, an investment in quantum computing today is analogous to a sage and prescient bet on Microsoft or Amazon.com 20 years ago.

This new breed of supercomputer promises to dramatically improve computing power by storing information not in bits but in subatomic particles called quantum bits or qubits which have mighty capabilities.

Using qubits in so-called superpositions, a quantum computer can find answers to computational challenges in far fewer steps than a traditional computer would require.

Set up at the beginning of 2018, Quantum bills itself as the first publicly-traded pure-play quantum computing company.

Its team of computer scientists is designing the next wave of algorithms used by high-frequency traders at hedge funds

**Price:** 5.25

**Market Cap:** \$95.1 m

### 1 Year Share Price Graph



### Share Information

**Code:** QUBT

**Listing:** OTCQB

<b>52 week</b>	<b>High</b>	<b>Low</b>
	7.73	0.78

**Sector:** Software & services

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

### Company Synopsis:

*Quantum Computing Inc. focuses on developing and commercializing quantum computing hardware and application services. It is developing quantum annealer, a simulator that helps in solving problems that existing supercomputers cannot solve, which are primarily used in finance, cyber security, and medicine applications. The company was formerly known as Innovative Beverage Group Holdings, Inc.*

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to scour the market for arbitrage opportunities and competitive investment strategies. This area represents a \$1 billion market opportunity by the company's estimates. In the works, for example, is an asset allocation system with algorithms that will run on quantum and digital annealers.

As well as the algorithms for Wall Street trading programs under development, Quantum's programs are also set to be used for genetic research, and by pharmaceutical companies and governments.

### **How is it doing:**

The potential worldwide market for quantum computing is projected to be in excess of \$10 billion by 2024, according to Morgan Stanley research.

Quantum Computing CEO Robert Liscouski expects the pre-profit company, which has a market cap of \$15.4 million and a share price hovering at a little over \$3, to be generating revenue by the end of 2020.

At the start of this year, Liscouski estimated that Quantum is about a third of the way towards raising its target of \$15 million for the runway costs to fund its business.

In its most recent reported quarter ended in June, Quantum's net loss deepened to \$2 million due to an increase in stock-based compensation expenses, compared to a loss of \$875,209 in the year-ago quarter.

But its management team said it is confident its financial position will improve.

### **Inflection points:**

- At the core of Quantum's advances is the development of a quantum annealer, a simulator that mimics quantum computing and functions at speeds of up to 12 qubits
- The company's commercial-stage quantum cryptography applications are expected to launch in the first quarter of 2020
- Has recruited experts in cryptography, artificial intelligence and financial technology, to its advisory board, in a bid to assist in the development of its programs
- Quantum Computing is also courting companies involved in genetics that are looking for new gene therapies and different ways to conduct genetic analysis

Also on the agenda are partnerships with hedge funds and financial institutions as well as the licensing and commercial launch of finance and cryptography applications

### **What the boss says:**

"Clearly, we're in a position that as we demonstrate promise, we would be attractive to 'a Google,'" Quantum Computing CEO Robert Liscouski has said. "I'm not suggesting that's our goal, but that's clearly how that works."

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