INSIDE QUANTUM TECHNOLOGY

Quantum Sensors:
Ten-Year Market Projections

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Lawrence Gasman

Lawrence Gasman founded Inside Quantum Technology, in 2018 with the backing of 3DR Holdings. He has founded three other industry analysis companies and has authored reports on a wide variety of novel technologies including sensors and telecommunications/data communications.

Lawrence has carried out a wide range of consulting assignments on technology assessment and market sizing and has written numerous articles and books on advanced technology commercialization. He has been a speaker at the Q2B quantum computing conference and will be addressing an International Telecommunications Union meeting on quantum networking later in 2019.

Lawrence holds a bachelor's degree in mathematics from the University of Manchester and advanced degrees from the London School of Economics and the London Business School.

Quantum Sensors Markets, 2018 And Beyond

Published January 14, 2019

https://www.insidequantumtechnology.com/product/quantum-sensors-markets-2018-beyond/

- Quantum sensors covered in this report include atomic clocks, single-photon detectors, PAR sensors, quantum LiDAR/quantum radar, gravity sensors, atomic interferometers, magnetometers, quantum imaging devices, spin-qubit-based sensors, and quantum rotation sensors. We also take a look at materials used for quantum sensors and who the major vendors of quantum sensors are

- We examine in which end-user markets there will be the most significant opportunities including: Autonomous vehicles, navigation, GPS, air traffic control, agriculture, telecom, smart grids, construction, finance, healthcare, defense, aerospace, the Internet of Things and R&D

- Highly granular ten-year market forecasts in this report in both revenue and volume terms. Each type of quantum sensor covered is forecast with a breakout by application. The report also includes a breakout of the market for quantum sensors by the geographical regions in which they are located.

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What are Quantum Sensors?

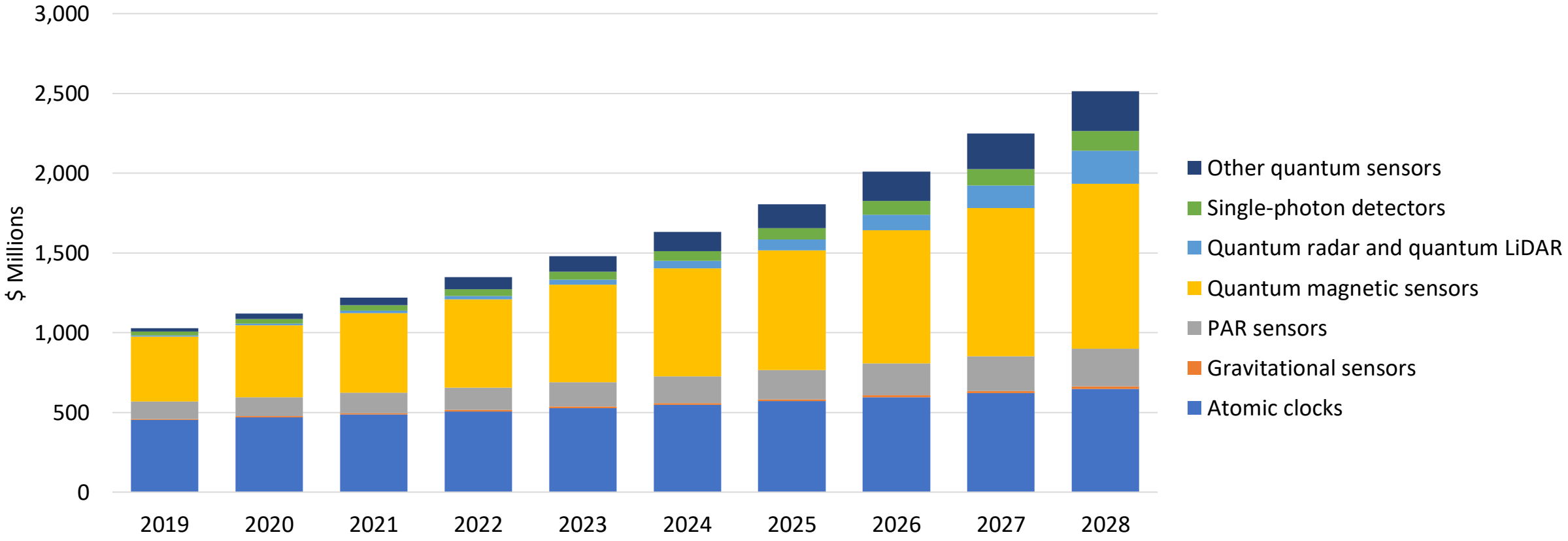
- Class of sensors that offer a particularly high level of sensitivity based on certain delicate quantum phenomena, such as quantum decoherence and quantum entanglement

- Quantum sensors include atomic clocks, single-photon detectors, PAR sensors, quantum LiDAR and quantum radar, gravity sensors, atomic interferometers, magnetometers, quantum imaging devices, spin-qubit-based sensors, and quantum rotation sensors, among others

- The applications for these sensors are also very broad, ranging from agriculture to stock trading to transportation to defense.

A very fragmented market . . .

Summary of Ten-year Forecasts of Quantum Sensor Markets, by Type of Sensor ($ Millions)



Summary of Ten-year Forecasts of Quantum Sensor Markets, by Type of End-User Market ($ Millions)