

Global Quantum Sensing and Imaging Market 2021-2031 by Technology (Quantum Sensing, Quantum Imaging), Product (Quantum Imaging Devices, Atomic Clocks, Gravity Sensors, Magnetic Sensors), Industry Vertical, and Region: Trend Forecast and Growth Opportunity

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Abstracts

Global quantum sensing and imaging market will reach \$1,805.6 million by 2031, growing by 10.5% annually over 2021-2031, driven by the technological advancement of quantum technologies and their rising potential applications in various industries, benefits of quantum sensing and imaging such as high precision and credibility, and the growing R&D investment with government support.

Highlighted with 82 tables and 90 figures, this 186-page report “Global Quantum Sensing and Imaging Market 2021-2031 by Technology (Quantum Sensing, Quantum Imaging), Product (Quantum Imaging Devices, Atomic Clocks, Gravity Sensors, Magnetic Sensors), Industry Vertical, and Region: Trend Forecast and Growth Opportunity” is based on comprehensive research of the entire global quantum sensing and imaging market and all its sub-segments through extensively detailed classifications. Profound analysis and assessment are generated from premium primary and secondary information sources with inputs derived from industry professionals across the value chain. The report is based on studies on 2019-2021 and provides forecast from 2022 till 2031 with 2021 as the base year. (Please note: The report will be updated before delivery so that the latest historical year is the base year and the forecast covers at least 5 years over the base year.)

In-depth qualitative analyses include identification and investigation of the following

aspects:

Market Structure

Growth Drivers

Restraints and Challenges

Emerging Product Trends & Market Opportunities

Porter's Fiver Forces

The trend and outlook of global market is forecast in optimistic, balanced, and conservative view by taking into account of COVID-19 and Russia-Ukraine conflict. The balanced (most likely) projection is used to quantify global quantum sensing and imaging market in every aspect of the classification from perspectives of Technology, Product, Industry Vertical, and Region.

Based on Technology, the global market is segmented into the following sub-markets with annual revenue (\$ mn) for 2021-2031 included in each section.

Quantum Sensing

Matter Wave Interferometry

Optical Atomic Clock

Cavity Optomechanics

Squeezed Light

Quantum Imaging

Ghost Imaging

Quantum Multiphoton Microscopy

Quantum Interferometry

Quantum Lithography

Quantum Coherence Tomography

NV Microscopes

Based on Product, the global market is segmented into the following sub-markets with annual revenue (\$ mn) for 2021-2031 included in each section.

Quantum Imaging Devices

Atomic Clocks

Cesium Clocks

Rubidium Clocks

Chip-scale Atomic Clocks

Quantum Clocks

International Clock Networks

Gravity Sensors

Magnetic Sensors

Quantum LiDAR

Imaging Sensors

Rotation Sensors

Light Detectors

Single-photon Detectors

PAR Sensors

Other Quantum Light Detectors

Other Products

By Industry Vertical, the global market is segmented into the following sub-markets with annual revenue (\$ mn) for 2021-2031 included in each section.

Military and Defense

Automotive and Transportation

Public Safety

Agriculture & Environment

Oil and Gas

Healthcare and Medical

Construction & Mining

IT & Telecom

Other Industry Verticals

Geographically, the following regions together with the listed national/local markets are fully investigated:

North America (U.S., Canada, and Mexico)

Europe (Germany, UK, France, Spain, Italy, Netherlands, Rest of Europe; Rest of Europe is further segmented into Russia, Switzerland, Poland, Sweden, Belgium, Austria, Ireland, Norway, Denmark, and Finland)

APAC (Japan, China, South Korea, Australia, India, and Rest of APAC; Rest of

APAC is further segmented into Malaysia, Singapore, Indonesia, Thailand, New Zealand, Vietnam, Taiwan, and Philippines)

South America (Brazil, Chile, Argentina, Rest of South America)

MEA (UAE?Saudi Arabia? South Africa and Rest of MEA)

For each aforementioned region and country, detailed analysis and data for annual revenue (\$ mn) are available for 2021-2031. The breakdown of all regional markets by country and split of each national market by Technology, Product and Industry Vertical over the forecast years are also included.

The report also covers current competitive scenario and the predicted trend; and profiles key vendors including market leaders and important emerging players.

Selected Key Players:

AOSense Inc.

Apogee Instrument Inc.

Campbell Scientific, Inc.

GWR Instruments Inc.

LI-COR Inc.

M Squared Lasers Limited

Muquans SAS

Robert Bosch GmbH

Skye Instruments Ltd.

Spectrum Technologies Inc.

(Please note: The report will be updated before delivery so that the latest historical year

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