

# **Asia Pacific Quantum Technology Market 2021-2031 by Component (Hardware, Software, Services), Technology (Computing, Cryptography, Sensing and Imaging, QDP, QCL, Magnetometer, QKD), Deployment Mode (On-premise, Cloud-based, Hybrid), Connectivity (Cellular, Non-Cellular), Industry Vertical, and Country: Trend Forecast and Growth Opportunity**

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## **Abstracts**

Asia Pacific quantum technology market will grow by 26.1% annually with a total addressable market cap of \$86,108.2 million over 2022-2031, driven by the rising demand for reliable network and computing, the growing government and private venture funding for quantum technologies, increasing R&D expenditure, and the expanding applications of quantum technology in various industrial sectors.

Highlighted with 31 tables and 60 figures, this 127-page report “Asia Pacific Quantum Technology Market 2021-2031 by Component (Hardware, Software, Services), Technology (Computing, Cryptography, Sensing and Imaging, QDP, QCL, Magnetometer, QKD), Deployment Mode (On-premise, Cloud-based, Hybrid), Connectivity (Cellular, Non-Cellular), Industry Vertical, and Country: Trend Forecast and Growth Opportunity” is based on a comprehensive research of the entire Asia Pacific quantum technology 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 Asia Pacific 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 Asia Pacific quantum technology market in every aspect of the classification from perspectives of Component, Technology, Deployment Mode, Connectivity, Industry Vertical, and Country.

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

Hardware

Software

Services

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

Quantum Computing

Quantum Cryptography Communication

Quantum Sensing and Imaging

Quantum Dots Particles (QDP)

Quantum Cascade Laser (QCL)

Quantum Magnetometer

Quantum Key Distribution (QKD)

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

On-premise Deployment

Cloud-based Deployment

Private Cloud

Public Cloud

Hybrid Deployment

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

Cellular Connectivity

3G

4G LTE

5G/6G

Non-Cellular/IoT Connectivity

By Industry Vertical, the Asia Pacific market is segmented into the following sub-

markets with annual revenue (\$ mn) for 2021-2031 included in each section.

Consumer Electronics

IT & Telecom

Healthcare & Medical

Banking, Financial Services and Insurance (BFSI)

Energy & Utilities

Oil and Gas

Manufacturing

Automotive and Transportation

Aerospace & Defense

Other Industry Verticals

Geographically, the following national/local markets are fully investigated:

Japan

China

South Korea

Australia

India

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

For each key country, detailed analysis and data for annual revenue (\$ mn) are available for 2021-2031. The breakdown of national markets by Technology, Deployment Mode 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:**

Aliro Quantum

Alphabet Inc. (Google)

D-Wave Systems, Inc.

Gem Systems

Hewlett Packard Enterprise

Honeywell International Inc (Quantinuum)

Intel Corporation

International Business Machines Corporation (IBM)

KETS Quantum Security

Microsoft Corporation

M-Squared Lasers Limited

NEC Corporation

QD Laser Co. Inc.

Quantum Brilliance

Quantum Computing Inc.

Qubitekk

Robert Bosch GmbH

Tencent Quantum Lab

Toshiba Corporation

ZTE Corporation

(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.)

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