

Europe 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

<https://marketpublishers.com/r/E47237E5C9F9EN.html>

Date: November 2022

Pages: 129

Price: US\$ 2,210.00 (Single User License)

ID: E47237E5C9F9EN

Abstracts

Europe quantum technology market was valued at \$ 2,463.6 million in 2021 and will grow by 21.1% annually over 2021-2031, 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 34 tables and 61 figures, this 129-page report “Europe 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 Europe 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 Europe 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 Europe 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 Europe 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 Europe 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 Europe 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 Europe 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 Europe 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:

Germany

UK

France

Spain

Italy

Netherlands

Rest of Europe (further segmented into Russia, Switzerland, Poland, Sweden, Belgium, Austria, Ireland, Norway, Denmark, and Finland)

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.)

Contents

1 INTRODUCTION

- 1.1 Industry Definition and Research Scope
 - 1.1.1 Industry Definition
 - 1.1.2 Research Scope
- 1.2 Research Methodology
 - 1.2.1 Overview of Market Research Methodology
 - 1.2.2 Market Assumption
 - 1.2.3 Secondary Data
 - 1.2.4 Primary Data
 - 1.2.5 Data Filtration and Model Design
 - 1.2.6 Market Size/Share Estimation
 - 1.2.7 Research Limitations
- 1.3 Executive Summary

2 MARKET OVERVIEW AND DYNAMICS

- 2.1 Market Size and Forecast
 - 2.1.1 Impact of COVID-19 on World Economy
 - 2.1.2 Impact of COVID-19 on the Market
- 2.2 Major Growth Drivers
- 2.3 Market Restraints and Challenges
- 2.4 Emerging Opportunities and Market Trends
- 2.5 Porter's Fiver Forces Analysis

3 SEGMENTATION OF EUROPE MARKET BY COMPONENT

- 3.1 Market Overview by Component
- 3.2 Hardware
- 3.3 Software
- 3.4 Services

4 SEGMENTATION OF EUROPE MARKET BY TECHNOLOGY

- 4.1 Market Overview by Technology
- 4.2 Quantum Computing
- 4.3 Quantum Cryptography Communication

- 4.4 Quantum Sensing and Imaging
- 4.5 Quantum Dots Particles (QDP)
- 4.6 Quantum Cascade Laser (QCL)
- 4.7 Quantum Magnetometer
- 4.8 Quantum Key Distribution (QKD)

5 SEGMENTATION OF EUROPE MARKET BY DEPLOYMENT MODE

- 5.1 Market Overview by Deployment Mode
- 5.2 On-premise Deployment
- 5.3 Cloud-based Deployment
 - 5.3.1 Private Cloud
 - 5.3.2 Public Cloud
- 5.4 Hybrid Deployment

6 SEGMENTATION OF EUROPE MARKET BY CONNECTIVITY

- 6.1 Market Overview by Connectivity
- 6.2 Cellular Connectivity
 - 6.2.1 3G
 - 6.2.2 4G LTE
 - 6.2.3 5G/6G
- 6.3 Non-Cellular/IoT Connectivity

7 SEGMENTATION OF EUROPE MARKET BY INDUSTRY VERTICAL

- 7.1 Market Overview by Industry Vertical
- 7.2 Consumer Electronics
- 7.3 IT & Telecom
- 7.4 Healthcare & Medical
- 7.5 Banking, Financial Services and Insurance (BFSI)
- 7.6 Energy & Utilities
- 7.7 Oil and Gas
- 7.8 Manufacturing
- 7.9 Automotive and Transportation
- 7.10 Aerospace & Defense
- 7.11 Other Industry Verticals

8 EUROPEAN MARKET 2021-2031 BY COUNTRY

- 8.1 Overview of European Market
- 8.2 Germany
- 8.3 U.K.
- 8.4 France
- 8.5 Spain
- 8.6 Italy
- 8.7 Netherlands
- 8.8 Rest of European Market

9 COMPETITIVE LANDSCAPE

- 9.1 Overview of Key Vendors
 - 9.2 New Product Launch, Partnership, Investment, and M&A
 - 9.3 Company Profiles
 - 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
- RELATED REPORTS**

List Of Tables

LIST OF TABLES:

Table 1. Snapshot of Europe Quantum Technology Market in Balanced Perspective, 2021-2031

Table 2. World Economic Outlook, 2021-2031

Table 3. World Economic Outlook, 2021-2023

Table 4. Main Product Trends and Market Opportunities in Europe Quantum Technology Market

Table 5. Europe Quantum Technology Market by Component, 2021-2031, \$ mn

Table 6. Europe Quantum Technology Market by Technology, 2021-2031, \$ mn

Table 7. Europe Quantum Technology Market by Deployment Mode, 2021-2031, \$ mn

Table 8. Europe Quantum Technology Market: Cloud-based Deployment by Type, 2021-2031, \$ mn

Table 9. Europe Quantum Technology Market by Connectivity, 2021-2031, \$ mn

Table 10. Europe Quantum Technology Market: Cellular Connectivity by Type, 2021-2031, \$ mn

Table 11. Europe Quantum Technology Market by Industry Vertical, 2021-2031, \$ mn

Table 12. Europe Quantum Technology Market by Country, 2021-2031, \$ mn

Table 13. Germany Quantum Technology Market by Technology, 2021-2031, \$ mn

Table 14. Germany Quantum Technology Market by Deployment Mode, 2021-2031, \$ mn

Table 15. Germany Quantum Technology Market by Industry Vertical, 2021-2031, \$ mn

Table 16. U.K. Quantum Technology Market by Technology, 2021-2031, \$ mn

Table 17. U.K. Quantum Technology Market by Deployment Mode, 2021-2031, \$ mn

Table 18. U.K. Quantum Technology Market by Industry Vertical, 2021-2031, \$ mn

Table 19. France Quantum Technology Market by Technology, 2021-2031, \$ mn

Table 20. France Quantum Technology Market by Deployment Mode, 2021-2031, \$ mn

Table 21. France Quantum Technology Market by Industry Vertical, 2021-2031, \$ mn

Table 22. Spain Quantum Technology Market by Technology, 2021-2031, \$ mn

Table 23. Spain Quantum Technology Market by Deployment Mode, 2021-2031, \$ mn

Table 24. Spain Quantum Technology Market by Industry Vertical, 2021-2031, \$ mn

Table 25. Italy Quantum Technology Market by Technology, 2021-2031, \$ mn

Table 26. Italy Quantum Technology Market by Deployment Mode, 2021-2031, \$ mn

Table 27. Italy Quantum Technology Market by Industry Vertical, 2021-2031, \$ mn

Table 28. Netherlands Quantum Technology Market by Technology, 2021-2031, \$ mn

Table 29. Netherlands Quantum Technology Market by Deployment Mode, 2021-2031, \$ mn

Table 30. Netherlands Quantum Technology Market by Industry Vertical, 2021-2031, \$ mn

Table 31. Quantum Technology Market in Rest of Europe by Country, 2021-2031, \$ mn

Table 32. Aliro Quantum: Company Snapshot

Table 33. Aliro Quantum: Business Segmentation

Table 34. Aliro Quantum: Product Portfolio

List Of Figures

LIST OF FIGURES:

Figure 1. Research Method Flow Chart

Figure 2. Bottom-up Approach and Top-down Approach for Market Estimation

Figure 3. Europe Market Forecast in Optimistic, Conservative and Balanced Perspectives, 2021-2031

Figure 4. Europe Quantum Technology Market, 2021-2031, \$ mn

Figure 5. Impact of COVID-19 on Business

Figure 6. Primary Drivers and Impact Factors of Europe Quantum Technology Market

Figure 7. World Industrial IoT Market, 2019-2030, \$ bn

Figure 8. World 5G Traffic, 2019-2030, EB/year

Figure 9. Primary Restraints and Impact Factors of Europe Quantum Technology Market

Figure 10. Investment Opportunity Analysis

Figure 11. Porter's Five Forces Analysis of Europe Quantum Technology Market

Figure 12. Breakdown of Europe Quantum Technology Market by Component, 2021-2031, % of Revenue

Figure 13. Europe Addressable Market Cap in 2022-2031 by Component, Value (\$ mn) and Share (%)

Figure 14. Europe Quantum Technology Market by Component: Hardware, 2021-2031, \$ mn

Figure 15. Europe Quantum Technology Market by Component: Software, 2021-2031, \$ mn

Figure 16. Europe Quantum Technology Market by Component: Services, 2021-2031, \$ mn

Figure 17. Breakdown of Europe Quantum Technology Market by Technology, 2021-2031, % of Sales Revenue

Figure 18. Europe Addressable Market Cap in 2022-2031 by Technology, Value (\$ mn) and Share (%)

Figure 19. Europe Quantum Technology Market by Technology: Quantum Computing, 2021-2031, \$ mn

Figure 20. Europe Quantum Technology Market by Technology: Quantum Cryptography Communication, 2021-2031, \$ mn

Figure 21. Europe Quantum Technology Market by Technology: Quantum Sensing and Imaging, 2021-2031, \$ mn

Figure 22. Europe Quantum Technology Market by Technology: Quantum Dots Particles (QDP), 2021-2031, \$ mn

Figure 23. Europe Quantum Technology Market by Technology: Quantum Cascade Laser (QCL), 2021-2031, \$ mn

Figure 24. Europe Quantum Technology Market by Technology: Quantum Magnetometer, 2021-2031, \$ mn

Figure 25. Europe Quantum Technology Market by Technology: Quantum Key Distribution (QKD), 2021-2031, \$ mn

Figure 26. Breakdown of Europe Quantum Technology Market by Deployment Mode, 2021-2031, % of Sales Revenue

Figure 27. Europe Addressable Market Cap in 2022-2031 by Deployment Mode, Value (\$ mn) and Share (%)

Figure 28. Europe Quantum Technology Market by Deployment Mode: On-premise Deployment, 2021-2031, \$ mn

Figure 29. Europe Quantum Technology Market by Deployment Mode: Cloud-based Deployment, 2021-2031, \$ mn

Figure 30. Europe Quantum Technology Market by Cloud-based Deployment: Private Cloud, 2021-2031, \$ mn

Figure 31. Europe Quantum Technology Market by Cloud-based Deployment: Public Cloud, 2021-2031, \$ mn

Figure 32. Europe Quantum Technology Market by Deployment Mode: Hybrid Deployment, 2021-2031, \$ mn

Figure 33. Breakdown of Europe Quantum Technology Market by Connectivity, 2021-2031, % of Revenue

Figure 34. Europe Addressable Market Cap in 2022-2031 by Connectivity, Value (\$ mn) and Share (%)

Figure 35. Europe Quantum Technology Market by Connectivity: Cellular Connectivity, 2021-2031, \$ mn

Figure 36. Europe Quantum Technology Market by Cellular Connectivity: 3G, 2021-2031, \$ mn

Figure 37. Europe Quantum Technology Market by Cellular Connectivity: 4G LTE, 2021-2031, \$ mn

Figure 38. Europe Quantum Technology Market by Cellular Connectivity: 5G/6G, 2021-2031, \$ mn

Figure 39. Europe Quantum Technology Market by Connectivity: Non-Cellular/IoT Connectivity, 2021-2031, \$ mn

Figure 40. Breakdown of Europe Quantum Technology Market by Industry Vertical, 2021-2031, % of Revenue

Figure 41. Europe Addressable Market Cap in 2022-2031 by Industry Vertical, Value (\$ mn) and Share (%)

Figure 42. Europe Quantum Technology Market by Industry Vertical: Consumer

Electronics, 2021-2031, \$ mn

Figure 43. Europe Quantum Technology Market by Industry Vertical: IT & Telecom, 2021-2031, \$ mn

Figure 44. Europe Quantum Technology Market by Industry Vertical: Healthcare & Medical, 2021-2031, \$ mn

Figure 45. Europe Quantum Technology Market by Industry Vertical: Banking, Financial Services and Insurance (BFSI), 2021-2031, \$ mn

Figure 46. Europe Quantum Technology Market by Industry Vertical: Energy & Utilities, 2021-2031, \$ mn

Figure 47. Europe Quantum Technology Market by Industry Vertical: Oil and Gas, 2021-2031, \$ mn

Figure 48. Europe Quantum Technology Market by Industry Vertical: Manufacturing, 2021-2031, \$ mn

Figure 49. Europe Quantum Technology Market by Industry Vertical: Automotive and Transportation, 2021-2031, \$ mn

Figure 50. Europe Quantum Technology Market by Industry Vertical: Aerospace & Defense, 2021-2031, \$ mn

Figure 51. Europe Quantum Technology Market by Industry Vertical: Other Industry Verticals, 2021-2031, \$ mn

Figure 52. Breakdown of European Quantum Technology Market by Country, 2021 and 2031, % of Revenue

Figure 53. Contribution to Europe 2022-2031 Cumulative Market by Country, Value (\$ mn) and Share (%)

Figure 54. Quantum Technology Market in Germany, 2021-2031, \$ mn

Figure 55. Quantum Technology Market in U.K., 2021-2031, \$ mn

Figure 56. Quantum Technology Market in France, 2021-2031, \$ mn

Figure 57. Quantum Technology Market in Spain, 2021-2031, \$ mn

Figure 58. Quantum Technology Market in Italy, 2021-2031, \$ mn

Figure 59. Quantum Technology Market in Netherlands, 2021-2031, \$ mn

Figure 60. Quantum Technology Market in Rest of Europe, 2021-2031, \$ mn

Figure 61. Growth Stage of Europe Quantum Technology Industry over the Forecast Period

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