

North America 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

North America quantum technology market is projected to grow by 22.0% annually in the forecast period and reach \$21,639.9 million by 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 24 tables and 57 figures, this 119-page report “North America 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 North America 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 North America 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 North America 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 North America 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 North America 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 North America 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 North America 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 North America 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:

U.S.

Canada

Mexico

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 NORTH AMERICA MARKET BY COMPONENT

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

4 SEGMENTATION OF NORTH AMERICA 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 NORTH AMERICA 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 NORTH AMERICA 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 NORTH AMERICA 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 NORTH AMERICA MARKET 2021-2031 BY COUNTRY

8.1 Overview of North America Market

8.2 U.S.

8.3 Canada

8.4 Mexico

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)

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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 North America 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 North America Quantum Technology Market
- Table 5. North America Quantum Technology Market by Component, 2021-2031, \$ mn
- Table 6. North America Quantum Technology Market by Technology, 2021-2031, \$ mn
- Table 7. North America Quantum Technology Market by Deployment Mode, 2021-2031, \$ mn
- Table 8. North America Quantum Technology Market: Cloud-based Deployment by Type, 2021-2031, \$ mn
- Table 9. North America Quantum Technology Market by Connectivity, 2021-2031, \$ mn
- Table 10. North America Quantum Technology Market: Cellular Connectivity by Type, 2021-2031, \$ mn
- Table 11. North America Quantum Technology Market by Industry Vertical, 2021-2031, \$ mn
- Table 12. North America Quantum Technology Market by Country, 2021-2031, \$ mn
- Table 13. U.S. Quantum Technology Market by Technology, 2021-2031, \$ mn
- Table 14. U.S. Quantum Technology Market by Deployment Mode, 2021-2031, \$ mn
- Table 15. U.S. Quantum Technology Market by Industry Vertical, 2021-2031, \$ mn
- Table 16. Canada Quantum Technology Market by Technology, 2021-2031, \$ mn
- Table 17. Canada Quantum Technology Market by Deployment Mode, 2021-2031, \$ mn
- Table 18. Canada Quantum Technology Market by Industry Vertical, 2021-2031, \$ mn
- Table 19. Mexico Quantum Technology Market by Technology, 2021-2031, \$ mn
- Table 20. Mexico Quantum Technology Market by Deployment Mode, 2021-2031, \$ mn
- Table 21. Mexico Quantum Technology Market by Industry Vertical, 2021-2031, \$ mn
- Table 22. Aliro Quantum: Company Snapshot
- Table 23. Aliro Quantum: Business Segmentation
- Table 24. 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. North America Market Forecast in Optimistic, Conservative and Balanced Perspectives, 2021-2031

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

Figure 5. Impact of COVID-19 on Business

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

Figure 10. Investment Opportunity Analysis

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Figure 41. North America Addressable Market Cap in 2022-2031 by Industry Vertical,

Value (\$ mn) and Share (%)

Figure 42. North America Quantum Technology Market by Industry Vertical: Consumer Electronics, 2021-2031, \$ mn

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

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

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

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

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

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

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

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

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

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

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

Figure 54. U.S. Quantum Technology Market, 2021-2031, \$ mn

Figure 55. Canada Quantum Technology Market, 2021-2031, \$ mn

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

Figure 57. Growth Stage of North America Quantum Technology Industry over the Forecast Period

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