

Global Quantum Computing Market: Analysis By Solution Type (Hardware, Software, Full Stack), Application (Optimization, Simulation, Sampling, Machine learning), End User, By Region, By Country (2020 Edition): Market Insight, Competition and Forecast (2020-2025)

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Abstracts

EXECUTIVE SUMMARY

The Global Quantum Computing Market, valued at USD 101.12 Million in the year 2019 has been witnessing unprecedented growth in the last few years on the back of need for secure communication and digitization. Quantum Computing is the use of quantum-mechanical phenomena and it promises to address problems that conventional computing solutions cannot handle. Increasing need for secure communication and digitization and race to make Quantum computer commercially feasible among the leading countries is one of the major reasons behind the increasing Quantum Computing market globally. Additionally, emergence of advance applications, need for secure communication and digitization is likely to supplement the Quantum Computing market value in the near future.

Among the solution type in the Quantum Computing market (Hardware, Software and Full Stack), all the three are gaining popularity globally and is expected to keep growing in the forecast period. Companies are likely to make major investment in hardware and software individually than on full stack.

Among Application (Optimization, Simulation, Sampling, Machine learning), optimization will be the mostly used application in Quantum computing and is expected to keep grow

in future. And Machine learning will also show rapid growth. Among End User (Aerospace & Defense, BFSI, R&D, Healthcare, and Others), Aerospace and defense is leading the end user of quantum computing, and in future we can expect BFSI to use Quantum computing more. All the end-user sectors users are expected to use more of QC in the near future.

The North American market is expected to lead the global market in the forecast period because of intensive investment on research and development of Quantum computers. Additionally, support by government and race for quantum supremacy is expected to infuse market growth tremendously. Additionally, the major involvement of technology leaders such as IBM Corporation, Google, and Intel will be fuelling the growth of Quantum computing market.

SCOPE OF THE REPORT

The report analyses the Quantum Computing Market By solution type (Hardware, Software, Full Stack).

The report analyses the Quantum Computing Market by Application (Optimization, Simulation, Sampling, Machine Learning).

The report analyses the Quantum Computing Market by End User (Aerospace & Defense, BFSI, R&D, Healthcare, Others),

The Global Quantum Computing Market has been analysed By Region (North Americas, Europe, Asia Pacific, Rest of world) and By Country (United States, Canada, Germany, United Kingdom, China).

The attractiveness of the market has been presented by region, by solution type, by End user and by Application. Also, the major opportunities, trends, drivers and challenges of the industry has been analysed in the report.

The report tracks competitive developments, strategies, mergers and acquisitions and new product development. The companies analysed in the report include Microsoft, Google, Intel, IBM and D-wave system.

The report presents the analysis of Quantum Computing market for the historical period of 2015-2019 and the forecast period of 2020-2025.

Key Target Audience

Quantum Computing Vendors

Consulting and Advisory Firms

Government and Policy Makers

Investment Banks and Equity Firms

Regulatory Authorities

Contents

1. REPORT SCOPE AND METHODOLOGY

- 1.1 Scope of the Report
- 1.2 Research Methodology
- 1.3 Executive Summary

2. STRATEGIC RECOMMENDATIONS

- 2.1 Focus should be on very strong technical team
- 2.2 Investment in R&D of technology and development.

3. QUANTUM COMPUTING: PRODUCT OVERVIEW

4. GLOBAL QUANTUM COMPUTING MARKET: SIZING AND FORECAST

- 4.1 Market Size, By Value, Year 2015-2019
- 4.2 Market Size, By Value, Year 2020-2025
- 4.3 Global Economic & Industrial Outlook

5. GLOBAL QUANTUM COMPUTING MARKET SEGMENTATION, BY SOLUTION TYPE

- 5.1 Global Quantum Computing Market: By solution type
- 5.2 Competitive Scenario of Global Quantum Computing Market: By solution type (2019 & 2025)
- 5.3 By Hardware – Market Size and Forecast (2015-2025)
- 5.4 By Software- Market Size and Forecast (2015-2025)
- 5.5 By Full Stack – Market Size and Forecast (2015-2025)

6. GLOBAL QUANTUM COMPUTING MARKET SEGMENTATION, BY APPLICATION

- 6.1 Competitive Scenario of Global Quantum Computing Market: By Application (2019 & 2025)
- 6.2 By Optimization– Market Size and Forecast (2015-2025)
- 6.3 By Simulation - Market Size and Forecast (2015-2025)
- 6.4 By Sampling – Market Size and Forecast (2015-2025)

6.5 By Machine learning– Market Size and Forecast (2015-2025)

7. GLOBAL QUANTUM COMPUTING MARKET SEGMENTATION, BY END USER

7.1 Competitive Scenario of Global Quantum Computing Market: By End User (2019 & 2025)

7.2 By Aerospace and Defense– Market Size and Forecast (2015-2025)

7.3 By BFSI - Market Size and Forecast (2015-2025)

7.4 By R&D – Market Size and Forecast (2015-2025)

7.5 By Healthcare– Market Size and Forecast (2015-2025)

7.6 By others– Market Size and Forecast (2015-2025)

8. GLOBAL QUANTUM COMPUTING MARKET: REGIONAL ANALYSIS

8.1 Competitive Scenario of Global Quantum Computing Market: By Region (2019 & 2025)

9. NORTH AMERICAS QUANTUM COMPUTING MARKET: AN ANALYSIS

9.1 North America Quantum Computing Market: Size and Forecast (2015-2025)

9.2 North Americas Economic and industrial Statistics

9.3 North Americas Quantum Computing Market– Prominent Companies

9.4 Market Segmentation By Solution Types (Hardware, Software and Full stack)

9.5 Market Segmentation By Application (Optimization, Simulation, Sampling and Machine learning)

9.6 Market Segmentation By End User (Aerospace & Defense, BFSI, R&D, Healthcare and Others)

9.7 North Americas Quantum Computing Market: Country Analysis

9.8 Market Opportunity Chart of North America Quantum Computing Market - By Country, By Value (Year-2025)

9.9 Competitive Scenario of North America Quantum Computing : By Country (2019 & 2025)

9.10 United States Quantum Computing Market: Size and Forecast (2015-2025)

9.11 United States Quantum Computing Market Segmentation By Solution Type, By Application, By End User

9.12 United States Economic and Industrial Statistics

9.13 Canada Quantum Computing Market: Size and Forecast (2015-2025)

9.14 Canada Quantum Computing Market Segmentation By Solution Type, By Application, By End User

9.15 Canada Economic and Industrial Statistics

9.16 Rest of North Americas Quantum Computing Market: Size and Forecast (2015-2025)

9.17 Rest of North Americas Quantum Computing Market Segmentation By Solution Type, By Application, By End User

10. EUROPE QUANTUM COMPUTING MARKET: AN ANALYSIS

10.1 Europe Quantum Computing Market: Size and Forecast (2015-2025)

10.2 Europe Economic and industrial Statistics

10.3 Europe Quantum Computing Market– Prominent Companies

10.4 Market Segmentation By Solution Types (Hardware, Software and Full stack)

10.5 Market Segmentation By Application (Optimization, Simulation, Sampling and Machine learning)

10.6 Market Segmentation By End User (Aerospace & Defense, BFSI, R&D, Healthcare and Others)

10.7 Europe Quantum Computing Market: Country Analysis

10.8 Market Opportunity Chart of Europe Quantum Computing Market - By Country, By Value (Year-2025)

10.9 Competitive Scenario of Europe Quantum Computing : By Country (2019 & 2025)

10.10 Germany Quantum Computing Market: Size and Forecast (2015-2025)

10.11 Germany Quantum Computing Market Segmentation By Solution Type, By Application, By End User

10.12 Germany Economic and Industrial Statistics

10.13 UK Quantum Computing Market: Size and Forecast (2015-2025)

10.14 UK Quantum Computing Market Segmentation By Solution Type, By Application, By End User

10.15 UK Economic and Industrial Statistics

10.16 Rest of Europe Quantum Computing Market: Size and Forecast (2015-2025)

10.17 Rest of Europe Quantum Computing Market Segmentation By Solution Type, By Application, By End User

11. ASIA PACIFIC QUANTUM COMPUTING MARKET: AN ANALYSIS

11.1 Asia Pacific Quantum Computing Market: Size and Forecast (2015-2025)

11.2 Asia Pacific Economic and industrial Statistics

11.3 Asia Pacific Quantum Computing Market– Prominent Companies

11.4 Market Segmentation By Solution Types (Hardware, Software and Full stack)

11.5 Market Segmentation By Application (Optimization, Simulation, Sampling and

Machine learning)

11.6 Market Segmentation By End User (Aerospace & Defense, BFSI, R&D, Healthcare and Others)

11.7 Asia Pacific Quantum Computing Market: Country Analysis

11.8 Market Opportunity Chart of Asia Pacific Quantum Computing Market - By Country, By Value (Year-2025)

11.9 Competitive Scenario of Asia Pacific Quantum Computing : By Country (2019 & 2025)

11.10 China Quantum Computing Market: Size and Forecast (2015-2025)

11.11 China Quantum Computing Market Segmentation By Solution Type, By Application, By End User

11.12 China Economic and Industrial Statistics

11.13 Rest of APAC Quantum Computing Market: Size and Forecast (2015-2025)

11.14 Rest of APAC Quantum Computing Market Segmentation By Solution Type, By Application, By End User

12. REST OF WORLD QUANTUM COMPUTING MARKET

12.1 Rest of World Quantum Computing Market: Size and Forecast (2015-2025)

12.2 Rest of World Economic and industrial Statistics

12.3 Market Segmentation By Solution Types (Hardware, Software and Full stack)

12.4 Market Segmentation By Application (Optimization, Simulation, Sampling and Machine learning)

12.5 Market Segmentation By End User (Aerospace & Defense, BFSI, R&D, Healthcare and Others)

13. GLOBAL QUANTUM COMPUTING MARKET DYNAMICS

13.1 Global Quantum Computing Market Drivers

13.2 Global Quantum Computing Market Restraints

13.3 Global Quantum Computing Market Trends

14. MARKET ATTRACTIVENESS

14.1 Market Attractiveness Chart of Global Quantum Computing Market - By Solution Type (Year 2025)

14.2 Market Attractiveness Chart of Global Quantum Computing Market - By Application (Year 2025)

14.3 Market Attractiveness Chart of Global Quantum Computing Market - By End User,

Year-2025)

14.4 Market Attractiveness Chart of Global Quantum Computing Market - By Region, Year-2025)

15. COMPETITIVE LANDSCAPE

15.1 Market Share Analysis

15.2 Competitive Positioning (Leaders, Challengers, Followers, Niche Players)

16. COMPANY PROFILES (BUSINESS DESCRIPTION, FINANCIAL ANALYSIS, BUSINESS STRATEGY)

16.1 Microsoft

16.2 Google

16.3 IBM

16.4 Intel

16.5 D-wave systems

List Of Figures

LIST OF FIGURES

- Figure 1: Global Quantum Computing Market Size, By Value, 2015-2019 (USD Million)
- Figure 2: Global Quantum Computing Market Size, By Value, 2020-2025 (USD Million)
- Figure 3: Global Quantum computing patents applications from 1999 to 2017
- Figure 4: Quantum computing top player's patent application
- Figure 5: Global Quantum Computing Market- By Solution Type Market Share, 2019 & 2025
- Figure 6: Global Quantum Computing Market- By Hardware, By Value (USD Million), 2015-2025
- Figure 7: Global Quantum Computing Market- By Software, By Value (USD Million), 2015-2025
- Figure 8: Global Quantum Computing Market- By Full Stack, By Value (USD Million), 2015-2025
- Figure 9: Global Quantum Computing Market- By Application Market Share, 2019 & 2025
- Figure 10: Global Quantum Computing Market - Optimization, By Value (USD Million), 2015-2025
- Figure 11: Global Quantum Computing Market- by Simulation, By Value (USD Million), 2015-2025
- Figure 12: Global Quantum Computing Market- Sampling, By Value (USD Million), 2015-2025
- Figure 13: Global Quantum Computing Market- Machine learning, By Value (USD Billion), 2015- 2025
- Figure 14: Global Quantum Computing Market- By End User Market Share, 2019 & 2025
- Figure 15: Global Quantum Computing Market- Aerospace and defense, By Value (USD Million), 2015-2025
- Figure 16: Global Quantum Computing Market- by BFSI, By Value (USD Million), 2015-2025
- Figure 17: Global Quantum Computing Market-by R&D, By Value (USD Million), 2015-2025
- Figure 18: Global Quantum Computing Market- By Healthcare, By Value (USD Million), 2015-2025
- Figure 19: Global Quantum Computing Market- By Others, By Value (USD Million), 2015-2025
- Figure 20: Global Quantum Computing Market- By Region Market Share, 2019 & 2025

Figure 21: North Americas Quantum Computing Market Size, By Value, 2015-2025 (USD Million)

Figure 22: North America GDP Annual growth (%) 2014-2018

Figure 23: Mexico R&D expenditure (% of GDP) 2014-2017

Figure 24: North Americas Quantum Computing Market- By solution type, By Value (USD Million), 2015-2025

Figure 25: North Americas Quantum Computing Market- By Application, By Value (USD Million), 2015-2025

Figure 26: North Americas Quantum Computing Market- By End User, By Value (USD Million), 2015-2025

Figure 27: Market Opportunity Chart of North America Quantum Computing Market- By Country, By Value (Year-2025)

Figure 28: North America Quantum Computing Market- By Country Market Share, 2019 & 2025

Figure 29: Unites States Quantum Computing Market Size, By Value, 2015-2025 (USD Million)

Figure 30: US Quantum Computing Market- By solution type, By Value (USD Million), 2015-2025

Figure 31: US Quantum Computing Market- By Application, By Value (USD Million), 2015-2025

Figure 32: US Quantum Computing Market- By End User, By Value (USD Million), 2015-2025

Figure 33: USA spending in technology % in 2017

Figure 34: USA R&D expenditure (% of GDP) 2014-2017

Figure 35: Canada Quantum Computing Market Size, By Value, 2015-2025 (USD Million)

Figure 36: Canada Quantum Computing Market- By solution type, By Value (USD Million), 2015-2025

Figure 37: Canada Quantum Computing Market- By Application, By Value (USD Million), 2015-2025

Figure 38: Canada Quantum Computing Market- By End User, By Value (USD Million), 2015-2025

Figure 39: Canada GDP Annual growth (%) 2014-2018

Figure 40: Canada R&D expenditure (% of GDP) 2014-2017

Figure 41: Rest of North Americas Quantum Computing Market Size, By Value, 2015-2025 (USD Million)

Figure 42: Rest of North Americas Quantum Computing Market- By solution type, By Value (USD Million), 2015-2025

Figure 43: Rest of North Americas Quantum Computing Market- By Application, By

Value (USD Million), 2015-2025

Figure 44: Rest of North Americas Quantum Computing Market- By End User, By Value (USD Million), 2015-2025

Figure 45: Europe Quantum Computing Market Size, By Value, 2015-2025 (USD Million)

Figure 46: Europe spending in technology % in 2017

Figure 47: Europe R&D expenditure (% of GDP) 2014-2017

Figure 48: Europe Quantum Computing Market- By solution type, By Value (USD Million), 2015-2025

Figure 49: Europe Quantum Computing Market- By Application, By Value (USD Million), 2015-2025

Figure 50: Europe Quantum Computing Market- By End User, By Value (USD Million), 2015-2025

Figure 51: Market Opportunity Chart of Europe Quantum Computing Market - By Country, By Value (Year-2025)

Figure 52: Europe Quantum Computing Market- By Country Market Share, 2019 & 2025

Figure 53: Germany Quantum Computing Market Size, By Value, 2015-2025 (USD Million)

Figure 54: Germany Quantum Computing Market- By solution type, By Value (USD Million), 2015-2025

Figure 55: Germany Quantum Computing Market- By Application, By Value (USD Million), 2015-2025

Figure 56: Germany Quantum Computing Market- By End User, By Value (USD Million), 2015-2025

Figure 57: Germany GDP Annual growth (%) 2014-2018

Figure 58: Germany R&D expenditure (% of GDP) 2014-2017

Figure 59: United Kingdom Quantum Computing Market Size, By Value, 2015-2025 (USD Million)

Figure 60: United Kingdom Quantum Computing Market- By solution type, By Value (USD Million), 2015-2025

Figure 61: United Kingdom Quantum Computing Market- By Application, By Value (USD Million), 2015-2025

Figure 62: United Kingdom Quantum Computing Market- By End User, By Value (USD Million), 2015-2025

Figure 63: UK GDP Annual growth (%) 2014-2018

Figure 64: UK R&D expenditure (% of GDP) 2014-2017

Figure 65: Rest of Europe Quantum Computing Market Size, By Value, 2015-2025 (USD Million)

Figure 66: Rest of Europe Quantum Computing Market- By solution type, By Value

(USD Million), 2015-2025

Figure 67: Rest of Europe Quantum Computing Market- By Application, By Value (USD Million), 2015-2025

Figure 68: Rest of Europe Quantum Computing Market- By End User, By Value (USD Million), 2015-2025

Figure 69: Asia- Pacific Quantum Computing Market Size, By Value, 2015-2025 (USD Million)

Figure 70: APAC R&D expenditure (% of GDP) 2014-2017

Figure 71: Revenue of public cloud computing In APAC region, By SaaS Model, (2015-2019)

Figure 72: APAC spending in technology % in 2017

Figure 73: APAC Quantum Computing Market- By solution type, By Value (USD Million), 2015-2025

Figure 74: APAC Quantum Computing Market- By Application, By Value (USD Million), 2015-2025

Figure 75: APAC Quantum Computing Market- By End User, By Value (USD Million), 2015-2025

Figure 76: Market Opportunity Chart of Asia Pacific Quantum Computing Market - By Country, By Value (Year 2025)

Figure 77: APAC Quantum Computing Market- By Country Market Share, 2019 & 2025

Figure 78: China Quantum Computing Market Size, By Value, 2015-2025 (USD Million)

Figure 79: China Quantum Computing Market- By solution type, By Value (USD Million), 2015-2025

Figure 80: China Quantum Computing Market- By Application, By Value (USD Million), 2015-2025

Figure 81: China Quantum Computing Market- By End User, By Value (USD Million), 2015-2025

Figure 82: China R&D expenditure (% of GDP) 2014-2017

Figure 83: China GDP Annual growth (%) 2014-2018

Figure 84: Rest of APAC Quantum Computing Market Size, By Value, 2015-2025 (USD Million)

Figure 85: Rest of APAC Quantum Computing Market- By solution type, By Value (USD Million), 2015-2025

Figure 86: Rest of APAC Quantum Computing Market- By Application, By Value (USD Million), 2015-2025

Figure 87: Rest of APAC Quantum Computing Market- By End User, By Value (USD Million), 2015-2025

Figure 88: Row Quantum Computing Market Size, By Value, 2015-2025 (USD Million)

Figure 89: Rest of world R&D expenditure (% of GDP) 2014-2016

Figure 90: ROW spending in technology % in 2017

Figure 91: ROW Quantum Computing Market- By solution type, By Value (USD Million), 2015-2025

Figure 92: ROW Quantum Computing Market- By Application, By Value (USD Million), 2015-2025

Figure 93: ROW Quantum Computing Market- By End User, By Value (USD Million), 2015-2025

Figure 94: Market Attractiveness Chart of Global Quantum Computing Market- By solution type (Year-2025)

Figure 95: Market Attractiveness Chart of Global Quantum Computing Market - By Application (Year-2025)

Figure 96: Market Attractiveness Chart of Global Quantum Computing Market- By End User (Year-2025)

Figure 97: Market Attractiveness Chart of Global Quantum Computing Market- By Region, By Value, (Year-2025)

Figure 98: Global Quantum Computing Market, Company Share – 2018

Figure 99: Global Quantum Computing industry leaders by invention category Patents

Figure 100: Competitive Positions of Quantum Computing Companies (2018)

Figure 101: Microsoft Revenue, 2015-2019 (USD Billion)

Figure 102: Microsoft Net Income, 2015-2019 (USD Billion)

Figure 103: Microsoft Revenue, By Business Segment (%), FY2019

Figure 104: Microsoft Revenue, By Geographic Segment (%), FY2019

Figure 105: Google Revenue, 2015-2019 (USD Billion)

Figure 106: Google Net Income, 2015-2019 (USD Billion)

Figure 107: Google Revenue, By Business Segment (%), FY2019

Figure 108: Google Revenue, By Geographic Segment (%), FY2019

Figure 109: IBM Revenue, 2015-2019 (USD Billion)

Figure 110: IBM Net income, 2015-2019 (USD Billion)

Figure 111: IBM Revenue, By Geographical Segment (%), FY2017

Figure 112: IBM Revenue, By Business Segment (%), FY2019

Figure 113: Intel Net Revenue, 2014-2018 (USD Billion)

Figure 114: Intel Net Income, 2014-2018 (USD Billion)

Figure 115: Intel Net Revenue, By Geographical Segment (%), FY2018

Figure 116: Intel Net Revenue, By Business Segment (%), FY2018.

List Of Tables

LIST OF TABLES

Table A: Prominent Quantum Computing companies operated in Americas Market

Table B: Prominent Quantum Computing companies operated in Europe Market

Table C: Prominent Quantum Computing companies operated in APAC Market

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Product name: Global Quantum Computing Market: Analysis By Solution Type (Hardware, Software, Full Stack), Application (Optimization, Simulation, Sampling, Machine learning), End User, By Region, By Country (2020 Edition): Market Insight, Competition and Forecast (2020-2025)

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