

Quantum Warfare Market - A Global and Regional Analysis: Focus on Application, Quantum Computing and Simulation, Quantum Communication, Quantum Component, Quantum PNT, and Region - Analysis and Forecast, 2024-2035

<https://marketpublishers.com/r/Q2EBBEBEAADBEN.html>

Date: August 2023

Pages: 165

Price: US\$ 5,500.00 (Single User License)

ID: Q2EBBEBEAADBEN

Abstracts

Introduction of the Global Quantum Warfare Market

The global quantum warfare market has experienced remarkable growth in recent years due to the increasing advancements in technology and the emergence of new applications in the defense sector. This growth is primarily driven by the government's efforts to advance the defense sector, which has demonstrated its continuous expansion and robust growth. Additionally, the market is driven by the rising adoption of artificial intelligence and Internet of Things (IoT) technologies for defense communication. By leveraging AI in military subsystem testing and deployment, engineers and operators can enhance performance, improve reliability, and optimize operational efficiency. Notable companies include Airbus, Xanadu, Quantinuum, Lockheed Martin Corporation, and Northrup Grumman, among others. These companies heavily invest in research and development to introduce innovative and advanced quantum-based military equipment. The market is expected to witness continued growth as key players and government defense agencies invest in advanced technologies to enhance performance and effectiveness, leading to new opportunities for growth and innovation in the sector.

Market Introduction

The global quantum warfare market is witnessing significant growth and is expected to gain a competitive share in recent years. Quantum warfare has profound consequences

for both military and civilian populations. It can break most current forms of encryption used to secure information that is sensitive, such as financial data or classified documents. This could make it more challenging for governments and corporations to protect their data against assaults. It could be used to create more advanced surveillance solutions, raising concerns about security infringement. Quantum communication, on the other hand, could provide more secure routes of communication for military and intelligence agencies.

Furthermore, the growing demand for high-performance computing in the defense sector is supporting the market demand for quantum warfare technologies. Several regional governments are aiming to adopt quantum computing technologies for the development of advanced defense equipment. This technology is expected to help the authorities to create precise and sophisticated targeting systems, further supporting the market expansion during the projected timeline 2024-2035.

Industrial Impact

Increased investment from public and private industry has emerged as a significant driver of growth in the global quantum warfare market. Many countries have established national strategies and initiatives to promote quantum research and development. These programs aim to accelerate advancements in quantum technologies, support quantum education and workforce development, and foster collaborations between academia, industry, and government. Also, major technology companies, such as IBM, Google, and Microsoft and start-ups focused on quantum computing and related technologies have received significant private funding to advance quantum research. Venture capital firms and investors recognize the potential of quantum technologies and are actively supporting start-ups and companies in the quantum ecosystem.

Market Segmentation:

Segmentation 1: by Application

Land

Naval

Airborne

Space-Based

Land Segment to Dominate Global Quantum Warfare Market (by Application)

The global quantum warfare market is expected to generate huge revenues from the land application segment. It is expected to generate \$85.9 million in 2024 and is projected to reach \$986.1 million in 2035 at a CAGR of 24.22% during the forecast period 2024-2035. Land warfare dominates most national defense strategy planning and funding concerns because it promotes the security of urban and rural population regions. Quantum computers can perform calculations that are impossible for classical computers, which could give militaries a significant advantage on the battlefield. It could be used to break current encryption standards, which could have a major impact on military communications. In addition, quantum computers could be used to simulate the effects of different weapons systems on different targets or to simulate the movement of troops and vehicles on a battlefield.

Segmentation 2: by Quantum Computing and Simulations

Digital Quantum Computer

Analog Quantum Computer

Quantum Simulator

Quantum Simulator to be the Leading Segment in the Global Quantum Warfare Market (by Quantum Computing and Simulations)

The global quantum warfare market is expected to be dominated by the quantum simulator in 2024. The market growth is attributed to the growing demand for accurate simulation technologies for defense cryptography and cybersecurity applications. It could help in assessing the security of cryptographic algorithms and protocols against quantum attacks. These computers could potentially break classical encryption methods and provide quantum-safe cryptographic solutions to protect sensitive military communications and data. Moreover, it might be utilized to model complex quantum systems encountered in battlefield environments. This could include simulating the behavior of quantum sensors, quantum communication networks, or quantum computing resources used in strategic decision-making.

Segmentation 3: by Quantum Communication

Quantum Network and Communication

Post-Quantum Cryptography

Segmentation 4: by Quantum PNT

Navigation

Positioning

Precision Timing

Geolocation

Segmentation 5: by Quantum Component

Sensor

Antenna

Radar

Clock

Magnetometer

Others

Segmentation 6: by Region

North America - U.S. and Canada

Europe - U.K., France, Germany, Russia, and Rest-of-Europe

Asia-Pacific - China, India, Japan, and Rest-of-Asia-Pacific

Rest-of-the-World - Latin America and Middle East and Africa

North America is anticipated to grow at a CAGR of 25.78%. The presence of a larger number of established quantum hardware, software, and service providers is driving the market in the region. The presence of major industry players such as Northrop Grumman, Airbus, Honeywell International, Xanadu, and Raytheon Technologies within the region with growth strategies such as partnerships are paving the way for market opportunities. Additionally, the strategic adoption of quantum communication technology by the U.S. defense authorities is further supporting the market adoption. By leveraging post-quantum cryptography technologies, defense agencies will be able to establish a quantum-secured network infrastructure for future communications.

The U.S. dominates the global quantum warfare market in the region, with various key players dedicated to developing novel quantum sensing technologies that are specifically designed to meet the requirements of defense weapon targeting systems as well as allow the military personnel to procure valuable insights with high accuracy, enhancing infield situational awareness.

Recent Developments in the Global Quantum Warfare Market

In July 2023, BTQ, a quantum technology company, entered a strategic research partnership with South Korea's IRCS to develop post-quantum cryptography solutions. Under this partnership, companies would test the application of the Secure algorithm for Long-term Message Authentication and Encryption (SOLMAE), a signature scheme. It is a theory and application of quantum-resistant cryptography that aims to create a new quantum cyber infrastructure for military, aerospace, and other business that would be resistant to attacks from quantum computers in the future.

In January 2023, the U.S. Naval Research Laboratory (NRL), along with 14 other warfare centers, signed a memorandum of understanding with Air Force Research Laboratory (AFRL) to establish and explore the potential of quantum computing capabilities for the Department of Defence (DoD). The partnership provides access of IBM's Quantum Hub (IBM-Q) processor to Navy scientists of AFRL, allowing them to investigate specific challenges. These challenges are concentrated on operations research, quantum simulation, quantum machine

learning, and cryptanalysis.

In January 2023, the European Commission selected Airbus and four other companies under the Cold Atom Rubidium Interferometer in Orbit for Quantum Accelerometry – Pathfinder Mission Preparation (CARIOQA-PMP) project. This is to support the development of a quantum sensor for space-based defense applications. Airbus would supply the resources for the design, construction, and initial operation of the sensor. The company would also deliver the atomic reservoir, ultrahigh vacuum chamber, the magnetic shield, and surrounding optics.

In August 2022, the Defense Advanced Research Projects Agency (DARPA) chose Regitti to provide standards for quantum application performance on large-scale quantum computers. The ability to forecast the performance of fault-tolerant quantum computers on target applications is a significant difficulty in Regitti's design. This program intends to provide a complete understanding of how mistakes occur at the qubit level, how those errors affect performance on target applications, and an accurate estimate of how quantum hardware and software must advance to meet important performance thresholds.

Demand – Drivers, Challenges, and Opportunities

Market Drivers: Growing Significance of Situational Awareness in Military Operations

The quantum warfare market is expected to gain traction across the globe due to the growing significance of providing infield situational awareness to defense troops on a mission. This involves being aware of relevant factors such as events, environments, objects, people, and their interactions, as well as assessing their potential impact on future circumstances. Situational awareness plays a vital role in military operations as it directly affects mission success, operational effectiveness, and the safety of the personnel. Also, it involves understanding the operations environment, assessing enemy forces and comprehending the implications of multiple factors on the mission.

Market Challenges: Lack of Skilled Workforce

Problems associated with the availability of the right skilled employees to operate on quantum technologies are one of the restraining factors for the quantum warfare market. Quantum technology is a highly specialized field that requires a deep understanding of

quantum mechanics, algorithms, and hardware. The number of professionals with such expertise is relatively small, resulting in a scarcity of skilled quantum researchers, engineers, and scientists. Several individuals across the world, both students and professionals, are looking for additional resources to assist them in progressing their careers in the field of quantum technology. Also, new companies specializing in quantum careers serve persons seeking work in quantum technologies by giving professional guidance and putting them as excellent prospects in quantum companies.

Market Opportunities: Integration of AI/ML in Quantum Computing Technologies

The growing penetration of AI and ML technologies in the military and defense sector is expected to create growth opportunities for quantum technologies in the coming years. AI-based technologies, such as decision support systems, assist military personnel in making critical decisions by providing recommendations and predictive analysis. These systems, incorporated with quantum technologies, can analyze historical data, assess multiple scenarios, and evaluate the potential outcomes of different actions.

How can this report add value to an organization?

Product/Innovation Strategy: The product segment helps the reader understand the potential of different types of quantum technologies available for deployment globally. Moreover, the study provides the reader with a detailed understanding of the global quantum warfare market.

Growth/Marketing Strategy: The global quantum warfare market has seen major development by key players operating in the market, such as contracts, collaborations, and joint ventures. The favored strategy for the companies has been contracted to strengthen their position in the global quantum warfare market. For instance, in September 2022, the European Space Agency (ESA) announced the selection of SES S.A. and a consortium of 20 companies for the development of the quantum key distribution (QKD) satellite. According to the agency, this satellite will be launched into space in 2024 for European secure communications. In addition, this consortium will develop QKD payload, scalable quantum operational networks, terrestrial optical stations, and key management systems to interact with quantum communication infrastructures (QCIs). This project would allow European defense and governmental agencies to transmit critical data through quantum secure communications networks.

Competitive Strategy: Key players in the global quantum warfare market analyzed and profiled in the study involve major global companies providing quantum hardware,

software, and services, respectively. Moreover, a detailed market share analysis of the players operating in the global quantum warfare market has been done to help the reader understand how players stack against each other, presenting a clear market landscape. Additionally, comprehensive competitive strategies such as partnerships, agreements, and collaborations will aid the reader in understanding the untapped revenue pockets in the market.

Methodology: The research methodology design adopted for this specific study includes a mix of data collected from primary and secondary data sources. Both primary resources (key players, market leaders, and in-house experts) and secondary research (a host of paid and unpaid databases), along with analytical tools, are employed to build the predictive and forecast models.

Data and validation have been taken into consideration from both primary sources as well as secondary sources.

Key Market Players and Competition Synopsis

The companies that are profiled have been selected based on thorough secondary research that includes analyzing company coverage, product portfolio, market penetration, and insights, which are gathered from primary experts.

The top established quantum technology providers hold around 68% of the presence in the market. The start-ups in the market hold around 32% of the global quantum warfare market.

Key Companies Profiled:

Xanadu

Airbus

D-Wave Quantum Inc.

Quantinuum Ltd.

Infleqtion

IonQ, Inc.

Quantum Computing Inc. (QCi)

Rigetti & Co, LLC.

Zapata Computing

IBM

Contents

1 MARKET

1.1 Industry Outlook

1.1.1 Quantum Warfare Market: Overview

1.1.2 Current and Emerging Technological Trends

1.1.2.1 Quantum Key Distribution (QKD)

1.1.2.2 LiDAR Systems

1.1.2.3 Quantum Cryptography

1.1.3 Quantum Warfare: On-Going and Upcoming Projects

1.1.3.1 Quantum Precision Targeting Weapons

1.1.3.2 National Quantum Initiative (NQI) Act

1.1.3.3 Quantum Computing for C4ISR Applications

1.1.4 R&D Analysis for Top 10 Defense Nations

1.1.5 Start-Up and Investment Landscape

1.1.6 Supply Chain Dynamics

1.2 Business Dynamics

1.2.1 Business Drivers

1.2.1.1 Rising Research and Development Activities for Quantum Technologies

1.2.1.2 Growing Significance of Situational Awareness in Military Operations

1.2.1.3 Increasing Emphasis on Secure Communication Infrastructure in Military and

Defense

1.2.2 Business Challenges

1.2.2.1 Lack of Skilled Workforce

1.2.2.2 High Cost Associated with the Development and Designing of Quantum

Components

1.2.3 Business Strategies

1.2.3.1 New Product Launches, Developments, and Others

1.2.4 Corporate Strategies

1.2.4.1 Partnerships, Collaborations, Agreements, Contracts, and Others

1.2.5 Business Opportunities

1.2.5.1 Integration of AI/ML in Quantum Computing Technologies

2 APPLICATION

2.1 Global Quantum Warfare Market (by Application)

2.1.1 Market Overview

2.1.1.1 Demand Analysis of Global Quantum Warfare Market (by Application), Value

Data

- 2.1.2 Land
- 2.1.3 Naval
- 2.1.4 Airborne
- 2.1.5 Space-Based

3 PRODUCT

3.1 Global Quantum Warfare Market (by Quantum Computing and Simulations)

3.1.1 Market Overview

3.1.1.1 Demand Analysis of Quantum Warfare Market (by Quantum Computing and Simulations), Value Data

3.1.2 Digital Quantum Computer

3.1.3 Analog Quantum Computer

3.1.4 Quantum Simulator

3.2 Global Quantum Warfare Market (by Quantum Communication)

3.2.1 Market Overview

3.2.1.1 Demand Analysis for Global Quantum Warfare Market (by Quantum Communication), Value Data

3.2.2 Quantum Network and Communication

3.2.3 Post-Quantum Cryptography

3.3 Global Quantum Warfare Market (by Quantum PNT)

3.3.1 Market Overview

3.3.1.1 Demand Analysis for Global Quantum Warfare Market (by Quantum PNT), Value Data

3.3.2 Navigation

3.3.3 Positioning

3.3.4 Precision Timing

3.3.5 Geolocation

3.4 Global Quantum Warfare Market (by Quantum Component)

3.4.1 Market Overview

3.4.1.1 Demand Analysis for Global Quantum Warfare Market (by Quantum Component), Value Data

3.4.2 Sensor

3.4.3 Antenna

3.4.4 Radar

3.4.5 Clock

3.4.6 Magnetometer

3.4.7 Others

4 REGION

4.1 Global Quantum Warfare Market (by Region)

4.2 North America

4.2.1 Market

4.2.1.1 Business Drivers

4.2.1.2 Business Challenges

4.2.1.3 Key Manufacturers and Suppliers in North America

4.2.2 Application

4.2.2.1 North America Quantum Warfare Market (by Application), Value Data

4.2.3 Product

4.2.3.1 North America Quantum Warfare Market (by Quantum Computing and Simulations), Value Data

4.2.3.2 North America Quantum Warfare Market (by Quantum Communication), Value Data

4.2.3.3 North America Quantum Warfare Market (by Quantum PNT), Value Data

4.2.4 North America (by Country)

4.2.4.1 U.S.

4.2.4.1.1 Market

4.2.4.1.1.1 Key Manufacturers and Suppliers in the U.S.

4.2.4.2 Canada

4.2.4.2.1 Market

4.2.4.2.1.1 Key Manufacturers and Suppliers in Canada

4.3 Europe

4.3.1 Market

4.3.1.1 Key Manufacturers and Suppliers in Europe

4.3.1.2 Business Drivers

4.3.1.3 Business Challenges

4.3.2 Application

4.3.2.1 Europe Quantum Warfare Market (by Application), Value Data

4.3.3 Product

4.3.3.1 Europe Quantum Warfare Market (by Quantum Computing and Simulations), Value Data

4.3.3.2 Europe Quantum Warfare Market (by Quantum Communication), Value Data

4.3.3.3 Europe Quantum Warfare Market (by Quantum PNT), Value Data

4.3.4 Europe (by Country)

4.3.4.1 France

4.3.4.1.1 Market

- 4.3.4.1.1.1 Key Manufacturers and Suppliers in France
- 4.3.4.2 Germany
 - 4.3.4.2.1 Market
 - 4.3.4.2.1.1 Key Manufacturers and Suppliers in Germany
- 4.3.4.3 Russia
 - 4.3.4.3.1 Market
 - 4.3.4.3.1.1 Key Manufacturers and Suppliers in Russia
- 4.3.4.4 U.K.
 - 4.3.4.4.1 Market
 - 4.3.4.4.1.1 Key Manufacturers and Suppliers in the U.K.
- 4.3.4.5 Rest-of-Europe
 - 4.3.4.5.1 Market
 - 4.3.4.5.1.1 Key Manufacturers and Suppliers in the Rest-of-Europe
- 4.4 Asia-Pacific (APAC)
 - 4.4.1 Market
 - 4.4.1.1 Key Manufacturers and Suppliers in Asia-Pacific
 - 4.4.1.2 Business Drivers
 - 4.4.1.3 Business Challenges
 - 4.4.2 Application
 - 4.4.2.1 Asia-Pacific Quantum Warfare Market (by Application), Value Data
 - 4.4.3 Product
 - 4.4.3.1 Asia-Pacific Quantum Warfare Market (by Quantum Computing and Simulations), Value Data
 - 4.4.3.2 Asia-Pacific Quantum Warfare Market (by Quantum Communication), Value Data
 - 4.4.3.3 Asia-Pacific Quantum Warfare Market (by Quantum PNT), Value Data
 - 4.4.4 Asia-Pacific (by Country)
 - 4.4.4.1 China
 - 4.4.4.1.1 Market
 - 4.4.4.1.1.1 Key Manufacturers and Suppliers in China
 - 4.4.4.2 India
 - 4.4.4.2.1 Market
 - 4.4.4.2.1.1 Key Manufacturers and Suppliers in India
 - 4.4.4.3 Japan
 - 4.4.4.3.1 Market
 - 4.4.4.3.1.1 Key Manufacturers and Suppliers in Japan
 - 4.4.4.4 Rest-of-Asia-Pacific
 - 4.4.4.4.1 Market
 - 4.4.4.4.1.1 Key Manufacturers and Suppliers in Rest-of-Asia-Pacific

4.5 Rest-of-the-World

4.5.1 Market

4.5.1.1 Key Manufacturers and Suppliers in Rest-of-the-World

4.5.1.2 Business Drivers

4.5.1.3 Business Challenges

4.5.2 Application

4.5.2.1 Rest-of-the-World Quantum Warfare Market (by Application), Value Data

4.5.3 Product

4.5.3.1 Rest-of-the-World Quantum Warfare Market (by Quantum Computing and Simulations), Value Data

4.5.3.2 Rest-of-the-World Quantum Warfare Market (by Quantum Communication), Value Data

4.5.3.3 Rest-of-the-World Quantum Warfare Market (by Quantum PNT), Value Data

4.5.4 Rest-of-the-World (by Region)

4.5.4.1 Middle East and Africa

4.5.4.1.1 Market

4.5.4.1.1.1 Key Manufacturers and Suppliers in the Middle East and Africa

4.5.4.2 Latin America

4.5.4.2.1 Market

4.5.4.2.1.1 Key Manufacturers and Suppliers in Latin America

5 MARKET – COMPETITIVE BENCHMARKING & COMPANY PROFILES

5.1 Competitive Benchmarking

5.2 Company Profiles

5.2.1 Xanadu

5.2.1.1 Company Overview

5.2.1.1.1 Role of Xanadu in the Global Quantum Warfare Market

5.2.1.1.2 Product Portfolio

5.2.1.2 Business Strategies

5.2.1.2.1 Product Developments and Fundings

5.2.1.3 Corporate Strategies

5.2.1.3.1 Partnerships, Collaborations, Contracts, and Agreements

5.2.1.4 Analyst View

5.2.2 Airbus

5.2.2.1 Company Overview

5.2.2.1.1 Role of Airbus in the Global Quantum Warfare Market

5.2.2.1.2 Product Portfolio

5.2.2.2 Business Strategies

- 5.2.2.2.1 Product Developments and Fundings
- 5.2.2.3 Corporate Strategies
 - 5.2.2.3.1 Partnerships, Collaborations, Contracts, and Agreements
- 5.2.2.4 Analyst View
- 5.2.3 D-Wave Quantum Inc.
 - 5.2.3.1 Company Overview
 - 5.2.3.1.1 Role of D-Wave Quantum Inc. in the Global Quantum Warfare Market
 - 5.2.3.1.2 Customers
 - 5.2.3.1.3 Product Portfolio
 - 5.2.3.2 Business Strategies
 - 5.2.3.2.1 Product Developments and Fundings
 - 5.2.3.3 Corporate Strategies
 - 5.2.3.3.1 Partnerships, Collaborations, Contracts, and Agreements
 - 5.2.3.4 Analyst View
- 5.2.4 Quantinuum Ltd.
 - 5.2.4.1 Company Overview
 - 5.2.4.1.1 Role of Quantinuum Ltd. in the Global Quantum Warfare Market
 - 5.2.4.1.2 Customers
 - 5.2.4.1.3 Product Portfolio
 - 5.2.4.2 Business Strategies
 - 5.2.4.2.1 Product Developments and Fundings
 - 5.2.4.3 Corporate Strategies
 - 5.2.4.3.1 Partnerships, Collaborations, Contracts, and Agreements
 - 5.2.4.4 Analyst View
- 5.2.5 Infleqtion
 - 5.2.5.1 Company Overview
 - 5.2.5.1.1 Role of Infleqtion in the Global Quantum Warfare Market
 - 5.2.5.1.2 Customers
 - 5.2.5.1.3 Product Portfolio
 - 5.2.5.2 Business Strategies
 - 5.2.5.2.1 Product Developments and Fundings
 - 5.2.5.3 Corporate Strategies
 - 5.2.5.3.1 Partnerships, Collaborations, Contracts, and Agreements
 - 5.2.5.4 Analyst View
- 5.2.6 IonQ, Inc.
 - 5.2.6.1 Company Overview
 - 5.2.6.1.1 Role of IonQ, Inc. in the Global Quantum Warfare Market
 - 5.2.6.1.2 Customers
 - 5.2.6.1.3 Product Portfolio

- 5.2.6.2 Business Strategies
 - 5.2.6.2.1 Product Developments and Fundings
- 5.2.6.3 Corporate Strategies
 - 5.2.6.3.1 Partnerships, Collaborations, Contracts, and Agreements
- 5.2.6.4 Analyst View
- 5.2.7 Quantum Computing Inc. (QCi)
 - 5.2.7.1 Company Overview
 - 5.2.7.1.1 Role of Quantum Computing Inc. in the Global Quantum Warfare Market
 - 5.2.7.1.2 Customers
 - 5.2.7.1.3 Product Portfolio
 - 5.2.7.2 Business Strategies
 - 5.2.7.2.1 Product Developments and Fundings
 - 5.2.7.3 Corporate Strategies
 - 5.2.7.3.1 Partnerships, Collaborations, Contracts, and Agreements
 - 5.2.7.4 Analyst View
- 5.2.8 Rigetti & Co, LLC.
 - 5.2.8.1 Company Overview
 - 5.2.8.1.1 Role of Rigetti & Co, LLC. in the Global Quantum Warfare Market
 - 5.2.8.1.2 Customers
 - 5.2.8.1.3 Product Portfolio
 - 5.2.8.2 Business Strategies
 - 5.2.8.2.1 Product Developments and Fundings
 - 5.2.8.3 Corporate Strategies
 - 5.2.8.3.1 Partnerships, Collaborations, Contracts, and Agreements
 - 5.2.8.4 Analyst View
- 5.2.9 Zapata Computing
 - 5.2.9.1 Company Overview
 - 5.2.9.1.1 Role of Zapata Computing in the Global Quantum Warfare Market
 - 5.2.9.1.2 Customers
 - 5.2.9.1.3 Product Portfolio
 - 5.2.9.2 Business Strategies
 - 5.2.9.2.1 Product Developments and Fundings
 - 5.2.9.3 Corporate Strategies
 - 5.2.9.3.1 Partnerships, Collaborations, Contracts, and Agreements
 - 5.2.9.4 Analyst View
- 5.2.10 IBM
 - 5.2.10.1 Company Overview
 - 5.2.10.1.1 Role of IBM in the Global Quantum Warfare Market
 - 5.2.10.1.2 Customers

5.2.10.1.3 Product Portfolio

5.2.10.2 Business Strategies

5.2.10.2.1 Product Developments and Fundings

5.2.10.3 Corporate Strategies

5.2.10.3.1 Partnerships, Collaborations, Contracts, and Agreements

5.2.10.4 Analyst View

5.3 Other Key Player Profiles

6 GROWTH OPPORTUNITIES AND RECOMMENDATIONS

6.1 Growth Opportunities

6.1.1 Growing Demand from Quantum Communication Market

6.2 Recommendation

7 RESEARCH METHODOLOGY

7.1 Factors for Data Prediction and Modeling

List Of Figures

LIST OF FIGURES

Figure 1: Global Quantum Warfare Market, \$Billion, 2024-2035

Figure 2: Global Quantum Warfare Market (by Application), \$Billion, 2024 and 2035

Figure 3: Global Quantum Warfare Market (by Quantum Computing and Simulations), \$Billion, 2024 and 2035

Figure 4: Global Quantum Warfare Market (by Quantum Communication), \$Billion, 2024 and 2035

Figure 5: Global Quantum Warfare Market (by Quantum PNT), \$Billion, 2024 and 2035

Figure 6: Global Quantum Warfare Market (by Quantum Component), \$Billion, 2024 and 2035

Figure 7: Global Quantum Warfare Market (by Region), \$Billion, 2035

Figure 8: Global Quantum Warfare Market Coverage

Figure 9: Global Public Investments in Quantum Technologies, 2022

Figure 10: Supply Chain Analysis for Global Quantum Warfare Market

Figure 11: Global Quantum Warfare Market, Business Dynamics

Figure 12: Region Wise Quantum Research and Patents Penetration

Figure 13: Share of Key Business Strategies and Developments, January 2020-July 2023

Figure 14: Global Quantum Warfare Market (by Application)

Figure 15: Global Quantum Warfare Market (by Quantum Computing and Simulations)

Figure 16: Global Quantum Warfare Market (by Quantum Communication)

Figure 17: Global Quantum Warfare Market (by Quantum PNT)

Figure 18: Global Quantum Warfare Market (by Quantum Component)

Figure 19: Global Quantum Warfare Market, Competitive Benchmarking

Figure 20: Research Methodology

Figure 21: Top-Down and Bottom-Up Approach

Figure 22: Assumptions and Limitations

List Of Tables

LIST OF TABLES

Table 1: Funding and Investment Scenario, January 2021-June 2023

Table 2: New Product Launches, Developments, and Others, January 2020-July 2023

Table 3: Partnerships, Collaborations, Agreements, Contracts, and Others, January 2020- July 2023

Table 4: Global Quantum Warfare Market (by Application), \$Million, 2024-2035

Table 5: Global Quantum Warfare Market (by Quantum Computing and Simulations), \$Million, 2024-2035

Table 6: Global Quantum Warfare Market (by Quantum Communication), \$Million, 2024-2035

Table 7: Global Quantum Warfare Market (by Quantum PNT), \$Million, 2024-2035

Table 8: Global Quantum Warfare Market (by Quantum Component), \$Million, 2024-2035

Table 9: Global Quantum Warfare Market (by Region), \$Million, 2024-2035

Table 10: North America Quantum Warfare Market (by Application), \$Million, 2024-2035

Table 11: North America Quantum Warfare Market (by Quantum Computing and Simulations), \$Million, 2024-2035

Table 12: North America Quantum Warfare Market (by Quantum Communication), \$Million, 2024-2035

Table 13: North America Quantum Warfare Market (by Quantum PNT), \$Million, 2024-2035

Table 14: U.S. Quantum Warfare Market, \$Million, 2024-2035

Table 15: Canada Quantum Warfare Market, \$Million, 2024-2035

Table 16: Europe Quantum Warfare Market (by Application), \$Million, 2024-2035

Table 17: Europe Quantum Warfare Market (by Quantum Computing and Simulations), \$Million, 2024-2035

Table 18: Europe Quantum Warfare Market (by Quantum Communication), \$Million, 2024-2035

Table 19: Europe Quantum Warfare Market (by Quantum PNT), \$Million, 2024-2035

Table 20: France Quantum Warfare Market, \$Million, 2024-2035

Table 21: Germany Quantum Warfare Market, \$Million, 2024-2035

Table 22: Russia Quantum Warfare Market, \$Million, 2024-2035

Table 23: U.K. Quantum Warfare Market, \$Million, 2024-2035

Table 24: Rest-of-Europe Quantum Warfare Market, \$Million, 2024-2035

Table 25: Asia-Pacific Quantum Warfare Market (by Application), \$Million, 2024-2035

Table 26: Asia-Pacific Quantum Warfare Market (by Quantum Computing and

Simulations), \$Million, 2024-2035

Table 27: Asia-Pacific Quantum Warfare Market (by Quantum Communication), \$Million, 2024-2035

Table 28: Asia-Pacific Quantum Warfare Market (by Quantum PNT), \$Million, 2024-2035

Table 29: China Quantum Warfare Market, \$Million, 2024-2035

Table 30: India Quantum Warfare Market, \$Million, 2024-2035

Table 31: Japan Quantum Warfare Market, \$Million, 2024-2035

Table 32: Rest-of-Asia-Pacific Quantum Warfare Market, \$Million, 2024-2035

Table 33: Rest-of-the-World Quantum Warfare Market (by Application), \$Million, 2024-2035

Table 34: Rest-of-the-World Quantum Warfare Market (by Quantum Computing and Simulations), \$Million, 2024-2035

Table 35: Rest-of-the-World Quantum Warfare Market (by Quantum Communication), \$Million, 2024-2035

Table 36: Rest-of-the-World Quantum Warfare Market (by Quantum PNT), \$Million, 2024-2035

Table 37: Middle East and Africa Quantum Warfare Market, \$Million, 2024-2035

Table 38: Latin America Quantum Warfare Market, \$Million, 2024-2035

Table 39: Benchmarking and Weightage Parameters

Table 40: Xanadu: Product Portfolio

Table 41: Xanadu: Product Developments and Fundings

Table 42: Xanadu: Partnerships, Collaborations, Contracts, and Agreements

Table 43: Airbus: Product Portfolio

Table 44: Airbus: Product Developments and Fundings

Table 45: Airbus: Partnerships, Collaborations, Contracts, and Agreements

Table 46: D-Wave Quantum Inc.: Product Portfolio

Table 47: D-Wave: Product Developments and Fundings

Table 48: D-Wave: Partnerships, Collaborations, Contracts, and Agreements

Table 49: Quantinuum Ltd.: Product Portfolio

Table 50: Quantinuum Ltd.: Product Developments and Fundings

Table 51: Quantinuum Ltd.: Partnerships, Collaborations, Contracts, and Agreements

Table 52: Infleqtion: Product Portfolio

Table 53: Infleqtion: Product Developments and Fundings

Table 54: Infleqtion: Partnerships, Collaborations, Contracts, and Agreements

Table 55: IonQ Inc.: Product Portfolio

Table 56: IonQ Inc.: Product Developments and Fundings

Table 57: IonQ Inc.: Partnerships, Collaborations, Contracts, and Agreements

Table 58: QCi: Product Portfolio

Table 59: QCi: Product Developments and Fundings

Table 60: QCi: Partnerships, Collaborations, Contracts, and Agreements

Table 61: Rigetti & Co, LLC.: Product Portfolio

Table 62: Rigetti & Co, LLC.: Product Developments and Fundings

Table 63: Rigetti & Co, LLC.: Partnerships, Collaborations, Contracts, and Agreements

Table 64: Zapata Computing: Product Portfolio

Table 65: Zapata Computing: Product Developments and Fundings

Table 66: Zapata Computing: Partnerships, Collaborations, Contracts, and Agreements

Table 67: IBM: Product Portfolio

Table 68: IBM: Product Developments and Fundings

Table 69: IBM: Partnerships, Collaborations, Contracts, and Agreements

Table 70: Other Key Player Profiles

I would like to order

Product name: Quantum Warfare Market - A Global and Regional Analysis: Focus on Application, Quantum Computing and Simulation, Quantum Communication, Quantum Component, Quantum PNT, and Region - Analysis and Forecast, 2024-2035

Product link: <https://marketpublishers.com/r/Q2EBBEBEAADBEN.html>

Price: US\$ 5,500.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/Q2EBBEBEAADBEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below

and fax the completed form to +44 20 7900 3970