

Global Quantum Warfare (QW) Market Size study, by Application (Land, Naval, Airborne, Space-Based), by Computing and Simulations (Digital Quantum Computer, Analog Quantum Computer, Quantum Simulator), by PNT (Navigation, Positioning, Precision Timing, Geolocation), by Communication (Quantum Network and Communication, Post-Quantum Cryptography), by Component (Sensor, Antenna, Radar, Clock, Magnetometer, Others) and Regional Forecasts 2022-2032

<https://marketpublishers.com/r/G2292DC38E35EN.html>

Date: August 2024

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: G2292DC38E35EN

Abstracts

Global Quantum Warfare (QW) Market was valued at approximately USD 161.04 Million in 2023 and is anticipated to grow at a remarkable CAGR of 26.35% over the forecast period from 2024 to 2032. Quantum Warfare refers to the use of quantum technologies in military operations, leveraging quantum computing, quantum communication, and quantum sensing. These technologies can potentially break conventional encryption, enable ultra-secure communication, and improve precision in navigation and targeting systems. Quantum warfare aims to gain strategic advantages by harnessing the principles of quantum mechanics, leading to faster data processing, enhanced situational awareness, and superior decision-making capabilities. Its applications span cybersecurity, intelligence, and advanced weaponry development, transforming the future of defense strategies.

The Global Quantum Warfare (QW) Market is driven by escalating security concerns globally have impelled governments, defense organizations, and military institutions to invest heavily in quantum technologies, thereby catalyzing the emergence and

expansion of the quantum warfare market. Conventional encryption methods, the cornerstone of secure communication and data security, face obsolescence due to the burgeoning capabilities of quantum computing to swiftly crack these encryption protocols. Moreover, the intensifying sophistication of cyber warfare and threats underscores the necessity for more robust security measures. Quantum technology, with its unbreakable encryption and enhanced authentication methods, significantly bolsters cybersecurity, particularly in military contexts where secure communication and data integrity are paramount. Quantum encryption ensures unbreachable communication lines, as any interception attempt disrupts the quantum-entangled particles, thereby corrupting the transmitted data. This capability is invaluable for military operations, intelligence gathering, and diplomatic communications. However, lack of skilled professionals is going to impede the overall demand for the market during the forecast period 2024-2032.

The key regions considered for the Global Quantum Warfare (QW) Market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. In 2023, North America held a dominant position in the Quantum Warfare (QW) market, driven by a robust technology sector that supports the development and deployment of quantum technologies for military applications. The U.S. led the market share within the region, while Canada exhibited the fastest growth rate. Furthermore, the market in Asia Pacific is anticipated to develop at the fastest rate over the forecast period 2024-2032.

Major market player included in this report are:

Xanadu

Airbus

D-Wave Quantum Inc.

Quantinuum Ltd.

Infleqtion

IonQ, Inc.

Quantum Computing Inc. (QCi)

Rigetti & Co, LLC.

Zapata Computing

IBM

The detailed segments and sub-segment of the market are explained below:

By Application:

- Land
- Naval
- Airborne
- Space-Based

By Computing and Simulations:

- Digital Quantum Computer
- Analog Quantum Computer
- Quantum Simulator

By PNT:

- Navigation
- Positioning
- Precision Timing
- Geolocation

By Communication:

- Quantum Network and Communication
- Post-Quantum Cryptography

By Component:

- Sensor
- Antenna
- Radar
- Clock
- Magnetometer
- Others

By Region:

North America

- U.S.
- Canada

Europe

- UK
- Germany
- France
- Spain
- Italy
- ROE

Asia Pacific

- China
- India
- Japan
- Australia
- South Korea
- RoAPAC

Latin America

- Brazil

- Mexico
- RoLA

Middle East & Africa

- Saudi Arabia
- South Africa
- RoMEA

Years considered for the study are as follows:

- Historical year – 2022
- Base year – 2023
- Forecast period – 2024 to 2032

Key Takeaways:

- Market Estimates & Forecast for 10 years from 2022 to 2032.
- Annualized revenues and regional level analysis for each market segment.
- Detailed analysis of geographical landscape with Country level analysis of major regions.
- Competitive landscape with information on major players in the market.
- Analysis of key business strategies and recommendations on future market approach.
- Analysis of competitive structure of the market.
- Demand side and supply side analysis of the market

Contents

CHAPTER 1. GLOBAL QUANTUM WARFARE (QW) MARKET EXECUTIVE SUMMARY

- 1.1. Global Quantum Warfare (QW) Market Size & Forecast (2022- 2032)
- 1.2. Regional Summary
- 1.3. Segmental Summary
 - 1.3.1. By Application
 - 1.3.2. By Computing and Simulations
 - 1.3.3. By PNT
 - 1.3.4. By Communication
 - 1.3.5. By Component
- 1.4. Key Trends
- 1.5. Recession Impact
- 1.6. Analyst Recommendation & Conclusion

CHAPTER 2. GLOBAL QUANTUM WARFARE (QW) MARKET DEFINITION AND RESEARCH ASSUMPTIONS

- 2.1. Research Objective
- 2.2. Market Definition
- 2.3. Research Assumptions
 - 2.3.1. Inclusion & Exclusion
 - 2.3.2. Limitations
 - 2.3.3. Supply Side Analysis
 - 2.3.3.1. Availability
 - 2.3.3.2. Infrastructure
 - 2.3.3.3. Regulatory Environment
 - 2.3.3.4. Market Competition
 - 2.3.3.5. Economic Viability (Consumer's Perspective)
 - 2.3.4. Demand Side Analysis
 - 2.3.4.1. Regulatory frameworks
 - 2.3.4.2. Technological Advancements
 - 2.3.4.3. Environmental Considerations
 - 2.3.4.4. Consumer Awareness & Acceptance
- 2.4. Estimation Methodology
- 2.5. Years Considered for the Study
- 2.6. Currency Conversion Rates

CHAPTER 3. GLOBAL QUANTUM WARFARE (QW) MARKET DYNAMICS

3.1. Market Drivers

3.1.1. Rise in Incidence of Growth Hormone Deficiencies

3.1.2. Increase in Geriatric Population

3.2. Market Challenges

3.2.1. Lack of Skilled Professionals

3.3. Market Opportunities

3.3.1. Growing Awareness Regarding Hormonal Deficiencies

3.3.2. Expansion of Healthcare Infrastructure

CHAPTER 4. GLOBAL QUANTUM WARFARE (QW) MARKET INDUSTRY ANALYSIS

4.1. Porter's 5 Force Model

4.1.1. Bargaining Power of Suppliers

4.1.2. Bargaining Power of Buyers

4.1.3. Threat of New Entrants

4.1.4. Threat of Substitutes

4.1.5. Competitive Rivalry

4.1.6. Futuristic Approach to Porter's 5 Force Model

4.1.7. Porter's 5 Force Impact Analysis

4.2. PESTEL Analysis

4.2.1. Political

4.2.2. Economical

4.2.3. Social

4.2.4. Technological

4.2.5. Environmental

4.2.6. Legal

4.3. Top investment opportunity

4.4. Top winning strategies

4.5. Disruptive Trends

4.6. Industry Expert Perspective

4.7. Analyst Recommendation & Conclusion

CHAPTER 5. GLOBAL QUANTUM WARFARE (QW) MARKET SIZE & FORECASTS BY APPLICATION 2022-2032

5.1. Segment Dashboard

5.2. Global Quantum Warfare (QW) Market: Application Revenue Trend Analysis, 2022 & 2032 (USD Million)

5.2.1. Land

5.2.2. Naval

5.2.3. Airborne

5.2.4. Space-Based

CHAPTER 6. GLOBAL QUANTUM WARFARE (QW) MARKET SIZE & FORECASTS BY COMPUTING AND SIMULATIONS 2022-2032

6.1. Segment Dashboard

6.2. Global Quantum Warfare (QW) Market: Computing and Simulations Revenue Trend Analysis, 2022 & 2032 (USD Million)

6.2.1. Digital Quantum Computer

6.2.2. Analog Quantum Computer

6.2.3. Quantum Simulator

CHAPTER 7. GLOBAL QUANTUM WARFARE (QW) MARKET SIZE & FORECASTS BY PNT 2022-2032

7.1. Segment Dashboard

7.2. Global Quantum Warfare (QW) Market: PNT Revenue Trend Analysis, 2022 & 2032 (USD Million)

7.2.1. Navigation

7.2.2. Positioning

7.2.3. Precision Timing

7.2.4. Geolocation

CHAPTER 8. GLOBAL QUANTUM WARFARE (QW) MARKET SIZE & FORECASTS BY COMMUNICATION 2022-2032

8.1. Segment Dashboard

8.2. Global Quantum Warfare (QW) Market: Communication Revenue Trend Analysis, 2022 & 2032 (USD Million)

8.2.1. Quantum Network and Communication

8.2.2. Post-Quantum Cryptography

CHAPTER 9. GLOBAL QUANTUM WARFARE (QW) MARKET SIZE & FORECASTS

BY COMPONENT 2022-2032

9.1. Segment Dashboard

9.2. Global Quantum Warfare (QW) Market: Component Revenue Trend Analysis, 2022 & 2032 (USD Million)

9.2.1. Sensor

9.2.2. Antenna

9.2.3. Radar

9.2.4. Clock

9.2.5. Magnetometer

9.2.6. Others

CHAPTER 10. GLOBAL QUANTUM WARFARE (QW) MARKET SIZE & FORECASTS BY REGION 2022-2032

10.1. North America Quantum Warfare (QW) Market

10.1.1. U.S. Quantum Warfare (QW) Market

10.1.1.1. Application breakdown size & forecasts, 2022-2032

10.1.1.2. Computing and Simulations breakdown size & forecasts, 2022-2032

10.1.1.3. PNT breakdown size & forecasts, 2022-2032

10.1.1.4. Communication breakdown size & forecasts, 2022-2032

10.1.1.5. Component breakdown size & forecasts, 2022-2032

10.1.2. Canada Quantum Warfare (QW) Market

10.2. Europe Quantum Warfare (QW) Market

10.2.1. U.K. Quantum Warfare (QW) Market

10.2.2. Germany Quantum Warfare (QW) Market

10.2.3. France Quantum Warfare (QW) Market

10.2.4. Spain Quantum Warfare (QW) Market

10.2.5. Italy Quantum Warfare (QW) Market

10.2.6. Rest of Europe Quantum Warfare (QW) Market

10.3. Asia-Pacific Quantum Warfare (QW) Market

10.3.1. China Quantum Warfare (QW) Market

10.3.2. India Quantum Warfare (QW) Market

10.3.3. Japan Quantum Warfare (QW) Market

10.3.4. Australia Quantum Warfare (QW) Market

10.3.5. South Korea Quantum Warfare (QW) Market

10.3.6. Rest of Asia Pacific Quantum Warfare (QW) Market

10.4. Latin America Quantum Warfare (QW) Market

10.4.1. Brazil Quantum Warfare (QW) Market

- 10.4.2. Mexico Quantum Warfare (QW) Market
- 10.4.3. Rest of Latin America Quantum Warfare (QW) Market
- 10.5. Middle East & Africa Quantum Warfare (QW) Market
 - 10.5.1. Saudi Arabia Quantum Warfare (QW) Market
 - 10.5.2. South Africa Quantum Warfare (QW) Market
 - 10.5.3. Rest of Middle East & Africa Quantum Warfare (QW) Market

CHAPTER 11. COMPETITIVE INTELLIGENCE

- 11.1. Key Company SWOT Analysis
 - 11.1.1. Company
 - 11.1.2. Company
 - 11.1.3. Company
- 11.2. Top Market Strategies
- 11.3. Company Profiles
 - 11.3.1. Xanadu
 - 11.3.1.1. Key Information
 - 11.3.1.2. Overview
 - 11.3.1.3. Financial (Subject to Data Availability)
 - 11.3.1.4. Product Summary
 - 11.3.1.5. Market Strategies
 - 11.3.2. Airbus
 - 11.3.3. D-Wave Quantum Inc.
 - 11.3.4. Quantinuum Ltd.
 - 11.3.5. Infleqtion
 - 11.3.6. IonQ, Inc.
 - 11.3.7. Quantum Computing Inc. (QCi)
 - 11.3.8. Rigetti & Co, LLC.
 - 11.3.9. Zapata Computing
 - 11.3.10. IBM

CHAPTER 12. RESEARCH PROCESS

- 12.1. Research Process
 - 12.1.1. Data Mining
 - 12.1.2. Analysis
 - 12.1.3. Market Estimation
 - 12.1.4. Validation
 - 12.1.5. Publishing

12.2. Research Attributes

List Of Tables

LIST OF TABLES

TABLE 1. Global Quantum Warfare (QW) market, report scope

TABLE 2. Global Quantum Warfare (QW) market estimates & forecasts by Region
2022-2032 (USD Million)

TABLE 3. Global Quantum Warfare (QW) market estimates & forecasts by Application
2022-2032 (USD Million)

TABLE 4. Global Quantum Warfare (QW) market estimates & forecasts by Computing
and Simulations 2022-2032 (USD Million)

TABLE 5. Global Quantum Warfare (QW) market estimates & forecasts by PNT
2022-2032 (USD Million)

TABLE 6. Global Quantum Warfare (QW) market estimates & forecasts by
Communication 2022-2032 (USD Million)

TABLE 7. Global Quantum Warfare (QW) market estimates & forecasts by Component
2022-2032 (USD Million)

TABLE 8. U.S. Quantum Warfare (QW) market estimates & forecasts, 2022-2032 (USD
Million)

TABLE 9. U.S. Quantum Warfare (QW) market estimates & forecasts by Application
2022-2032 (USD Million)

TABLE 10. U.S. Quantum Warfare (QW) market estimates & forecasts by Computing
and Simulations 2022-2032 (USD Million)

TABLE 11. Canada Quantum Warfare (QW) market estimates & forecasts, 2022-2032
(USD Million)

TABLE 12. Canada Quantum Warfare (QW) market estimates & forecasts by
Application 2022-2032 (USD Million)

TABLE 13. Europe Quantum Warfare (QW) market estimates & forecasts, 2022-2032
(USD Million)

TABLE 14. Europe Quantum Warfare (QW) market estimates & forecasts by Application
2022-2032 (USD Million)

TABLE 15. Asia-Pacific Quantum Warfare (QW) market estimates & forecasts,
2022-2032 (USD Million)

TABLE 16. Asia-Pacific Quantum Warfare (QW) market estimates & forecasts by
Application 2022-2032 (USD Million)

.....

This list is not complete, the final report does contain more than 100 tables. The list may
be updated in the final deliverable

List Of Figures

LIST OF FIGURES

- FIG 1. Global Quantum Warfare (QW) market, research methodology
- FIG 2. Global Quantum Warfare (QW) market, market estimation techniques
- FIG 3. Global market size estimates & forecast methods.
- FIG 4. Global Quantum Warfare (QW) market, key trends 2023
- FIG 5. Global Quantum Warfare (QW) market, growth prospects 2022-2032
- FIG 6. Global Quantum Warfare (QW) market, porters 5 force model
- FIG 7. Global Quantum Warfare (QW) market, PESTEL analysis
- FIG 8. Global Quantum Warfare (QW) market, value chain analysis
- FIG 9. Global Quantum Warfare (QW) market by Application, 2022 & 2032 (USD Million)
- FIG 10. Global Quantum Warfare (QW) market by Computing and Simulations, 2022 & 2032 (USD Million)
- FIG 11. Global Quantum Warfare (QW) market by PNT, 2022 & 2032 (USD Million)
- FIG 12. Global Quantum Warfare (QW) market by Communication, 2022 & 2032 (USD Million)
- FIG 13. Global Quantum Warfare (QW) market by Component, 2022 & 2032 (USD Million)
- FIG 14. Global Quantum Warfare (QW) market, regional snapshot 2022 & 2032
- FIG 15. North America Quantum Warfare (QW) market 2022 & 2032 (USD Million)
- FIG 16. Europe Quantum Warfare (QW) market 2022 & 2032 (USD Million)
- FIG 17. Asia-Pacific Quantum Warfare (QW) market 2022 & 2032 (USD Million)
- FIG 18. Latin America Quantum Warfare (QW) market 2022 & 2032 (USD Million)
- FIG 19. Middle East & Africa Quantum Warfare (QW) market 2022 & 2032 (USD Million)
- FIG 20. Global Quantum Warfare (QW) market, company market share analysis (2023)

.....

This list is not complete, the final report does contain more than 50 figures. The list may be updated in the final deliverable

I would like to order

Product name: Global Quantum Warfare (QW) Market Size study, by Application (Land, Naval, Airborne, Space-Based), by Computing and Simulations (Digital Quantum Computer, Analog Quantum Computer, Quantum Simulator), by PNT (Navigation, Positioning, Precision Timing, Geolocation), by Communication (Quantum Network and Communication, Post-Quantum Cryptography), by Component (Sensor, Antenna, Radar, Clock, Magnetometer, Others) and Regional Forecasts 2022-2032

Product link: <https://marketpublishers.com/r/G2292DC38E35EN.html>

Price: US\$ 4,950.00 (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/G2292DC38E35EN.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