

Global CBRNE Defense Market Size study & Forecast, by Type (Chemical, Biological, Radiological, and Nuclear) by Purpose (Detection, Protection, Decontamination, Simulation and training), By Application (Military and Civil and Law Enforcement), and Regional Analysis, 2022-2029

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Abstracts

Global CBRNE Defense Market is valued at approximately USD 15.78 billion in 2021 and is anticipated to grow with a healthy growth rate of more than 6.41% over the forecast period 2022-2029. Chemical, biological, radiological, nuclear, and high-yield explosive defenses are defenses deployed by governments, militaries, and first responders to the CBRN threat through detection, identification, and prevention technologies. Governments and businesses look forward to incorporating advanced technology into her CBRNE system to streamline the entire process and overcome wartime conditions. Rising geopolitical tensions have significantly developed the CBRN defense market. The supply side of the market is introducing the latest technologies such as virtual reality, augmented reality, and the Internet of Things (IoT)

Positive development in Warfare, and utility of CBRNE Threats by Terrorist Groups driving the Market Growth. The rising geopolitical unrest is driving the demand for safety measures against possible threats across countries worldwide. Hence, Countries are focusing on technological innovations for defense against CBRN threats. Research organization have also started working on nanotechnology and AI for better CBRN defense and solutions and equipment. This development has emphasized governments worldwide to invest and nurture R&D, and the manufacturing of systems for homeland security is anticipated to drive the market. Growing use of CBRN Safety measures by emergency medical services (EMS) across the world has taken stringent steps in CBRN

to make patient safety their top priority. Decontamination is of primary importance while treating patients with chemical exposure, provided that the patients do not require immediate life-saving intervention. Lack of investment in research and development is curbing the market growth. Limited research and development in the field of chemical and biological threats have led to unpreparedness. This can act as a major restraint in the growth of the market.

According to the World Bank, global GDP will increase by 4.0% in 2021. Moreover, each region is facing significant growth. The Middle East and North Africa will grow by 2.1%, Europe and Central Asia by 3.6%, South Asia by 7.2% in 2021 and 4.2% by 2022, Latin America by 4.6%, and East Asia and the Pacific by 7.4%. The global economy should therefore recover and the market should return to pre-pandemic levels within a few years. According to 2018 & 2019 Annual Threat Assessment of the U.S Intelligence Community reports, international regimes such as Russia, Syria, Iran, North Korea, Pakistan, China, and terrorist groups have increased threats through capability enhancement, production, proliferation, and utilization of weapons on the world populace.

The key regions considered for the Global CBRNE Defense Market study include Asia Pacific, North America, Europe, Latin America, and Rest of the World. North America dominated the market and stood for USD 5.90 billion in 2020. The adoption of safety measures to protect the armed forces and high military budgets are the primary factors supporting the growth of the market in North America. According to the Stockholm International Peace Research Institute (SIPRI) report 2021, the U.S. accounted for 39% of total military expenditures. Asia Pacific market is estimated to be the fastest growing in the forecast period. The growing defence budgets of China and India to strengthen their border security are anticipated to fuel the market growth in the Asia Pacific.

Major market players included in this report are:

Teledyne FLIR LLC. (U.S)
Rheinmetall Defence (Germany)
Smith's Group PLC (UK)
Bruker Corporation (U.S)
Chemring Group PLC (UK)
Hunter Defense Technologies (HDT) Global (U.S)
QinetiQ (UK)
Care Quality Commission Organization (U.K)
Saab Ab (Sweden)

Nexter NBC sys (Germany)
Argon Electronics Ltd (UK)

Recent Developments in the Market:

In July 2022, Argon Electronics (UK) Ltd. Will demonstrate a Radiation Field Training Simulator (RaFTS) will be announced.

In June 2021, Teledyne FLIR was awarded a US\$19 million R&D contract for joint CBRN modernization.

Global CBRNE Defense Market Report Scope:

Historical Data 2019-2020-2021

Base Year for Estimation 2021

Forecast period 2022-2029

Report Coverage Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered By Purpose, By Type, By Application, and Region

Regional Scope North America; Europe; Asia Pacific; Latin America; Rest of the World

Customization Scope Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Purpose:

Detection

Protection

Decontamination

Simulation and training

By Type:

Chemical

Biological
Radiological
Nuclear

By Application:
Military
Civil and Law Enforcement

By Region:
North America
U.S.
Canada
Europe
UK
Germany
France
Spain
Italy
ROE
Asia Pacific
China
India
Japan
Australia
South Korea
Ro APAC
Latin America
Brazil
Mexico
Rest of the World

Contents

CHAPTER 1. EXECUTIVE SUMMARY

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2019-2029 (USD Billion)
 - 1.2.1. CBRNE Defense Market, by region, 2019-2029 (USD Billion)
 - 1.2.2. CBRNE Defense Market, by Purpose, 2019-2029 (USD Billion)
 - 1.2.3. CBRNE Defense Market, by Type, 2019-2029 (USD Billion)
 - 1.2.4. CBRNE Defense Market, by Application, 2019-2029 (USD Billion)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

CHAPTER 2. GLOBAL CBRNE DEFENSE MARKET DEFINITION AND SCOPE

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
 - 2.2.1. Scope of the Study
 - 2.2.2. Industry Evolution
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

CHAPTER 3. GLOBAL CBRNE DEFENSE MARKET DYNAMICS

- 3.1. CBRNE Defense Market Impact Analysis (2019-2029)
 - 3.1.1. Market Drivers
 - 3.1.1.1. Increasing Technology and innovation
 - 3.1.1.2. Positive development in nature of warfare
 - 3.1.2. Market Restraints
 - 3.1.2.1. Lack of Investment in Research & Development
 - 3.1.3. Market Opportunities
 - 3.1.3.1. Increasing usage of CBRN safety by emergency medical Services.
 - 3.1.3.2. Growth in the military Spending

CHAPTER 4. GLOBAL CBRNE DEFENSE 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
- 4.2. Futuristic Approach to Porter's 5 Force Model (2019-2029)
- 4.3. PEST Analysis
 - 4.3.1. Political
 - 4.3.2. Economical
 - 4.3.3. Social
 - 4.3.4. Technological
- 4.4. Investment Adoption Model
- 4.5. Analyst Recommendation & Conclusion
- 4.6. Top investment opportunity
- 4.7. Top winning strategies

CHAPTER 5. RISK ASSESSMENT: COVID-19 IMPACT

- 5.1. Assessment of the overall impact of COVID-19 on the industry
- 5.2. Pre COVID-19 and post COVID-19 Market scenario

CHAPTER 6. GLOBAL CBRNE DEFENSE MARKET, BY PURPOSE

- 6.1. Market Snapshot
- 6.2. Global CBRNE Defense Market by Purpose, Performance - Potential Analysis
- 6.3. Global CBRNE Defense Market Estimates & Forecasts by Purpose 2019-2029 (USD Billion)
- 6.4. CBRNE Defense Market, Sub Segment Analysis
 - 6.4.1. Detection
 - 6.4.2. Protection
 - 6.4.3. Decontamination
 - 6.4.4. Simulation & Training

CHAPTER 7. GLOBAL CBRNE DEFENSE MARKET, BY TYPE

- 7.1. Market Snapshot
- 7.2. Global CBRNE Defense Market by Type, Performance - Potential Analysis
- 7.3. Global CBRNE Defense Market Estimates & Forecasts by Type 2019-2029 (USD Billion)
- 7.4. CBRNE Defense Market, Sub Segment Analysis

- 7.4.1. Chemical
- 7.4.2. Biological
- 7.4.3. Radiological
- 7.4.4. Nuclear

CHAPTER 8. GLOBAL CBRNE DEFENSE MARKET, BY APPLICATION

- 8.1. Market Snapshot
- 8.2. Global CBRNE Defense Market by Application, Performance - Potential Analysis
- 8.3. Global CBRNE Defense Market Estimates & Forecasts by Application 2019-2029 (USD Billion)
- 8.4. CBRNE Defense Market, Sub Segment Analysis
 - 8.4.1. Military
 - 8.4.2. Civil and Law Enforcement

CHAPTER 9. GLOBAL CBRNE DEFENSE MARKET, REGIONAL ANALYSIS

- 9.1. CBRNE Defense Market, Regional Market Snapshot
- 9.2. North America CBRNE Defense Market
 - 9.2.1. U.S. CBRNE Defense Market
 - 9.2.1.1. Purpose breakdown estimates & forecasts, 2019-2029
 - 9.2.1.2. Application breakdown estimates & forecasts, 2019-2029
 - 9.2.2. Canada CBRNE Defense Market
- 9.3. Europe CBRNE Defense Market Snapshot
 - 9.3.1. U.K. CBRNE Defense Market
 - 9.3.2. Germany CBRNE Defense Market
 - 9.3.3. France CBRNE Defense Market
 - 9.3.4. Spain CBRNE Defense Market
 - 9.3.5. Italy CBRNE Defense Market
 - 9.3.6. Rest of Europe CBRNE Defense Market
- 9.4. Asia-Pacific CBRNE Defense Market Snapshot
 - 9.4.1. China CBRNE Defense Market
 - 9.4.2. India CBRNE Defense Market
 - 9.4.3. Japan CBRNE Defense Market
 - 9.4.4. Australia CBRNE Defense Market
 - 9.4.5. South Korea CBRNE Defense Market
 - 9.4.6. Rest of Asia Pacific CBRNE Defense Market
- 9.5. Latin America CBRNE Defense Market Snapshot
 - 9.5.1. Brazil CBRNE Defense Market

- 9.5.2. Mexico CBRNE Defense Market
- 9.6. Rest of The World CBRNE Defense Market

CHAPTER 10. COMPETITIVE INTELLIGENCE

- 10.1. Top Market Strategies
- 10.2. Company Profiles
 - 10.2.1. Teledyne FLIR LLC (U.S)
 - 10.2.1.1. Key Information
 - 10.2.1.2. Overview
 - 10.2.1.3. Financial (Subject to Data Availability)
 - 10.2.1.4. Product Summary
 - 10.2.1.5. Recent Developments
 - 10.2.2. Rheinmetall Defence (Germany)
 - 10.2.3. Smith's Group PLC (UK)
 - 10.2.4. Bruker Corporation (U.S)
 - 10.2.5. Chemring Group PLC (UK)
 - 10.2.6. Hunter Defense Technologies (HDT) Global (U.S)
 - 10.2.7. QinetiQ (UK)
 - 10.2.8. Care Quality Commission (UK)
 - 10.2.9. Saab Ab (Sweden)
 - 10.2.10. Nexter NBC sys (Germany)
 - 10.2.11. Argon Electronics Ltd. (UK)

CHAPTER 11. RESEARCH PROCESS

- 11.1. Research Process
 - 11.1.1. Data Mining
 - 11.1.2. Analysis
 - 11.1.3. Market Estimation
 - 11.1.4. Validation
 - 11.1.5. Publishing
- 11.2. Research Attributes
- 11.3. Research Assumption

List Of Tables

LIST OF TABLES

TABLE 1. Global CBRNE Defense Market, report scope

TABLE 2. Global CBRNE Defense Market estimates & forecasts by region 2019-2029 (USD Billion)

TABLE 3. Global CBRNE Defense Market estimates & forecasts by Purpose 2019-2029 (USD Billion)

TABLE 4. Global CBRNE Defense Market estimates & forecasts by Type 2019-2029 (USD Billion)

TABLE 6. Global CBRNE Defense Market estimates & forecasts by Application 2019-2029 (USD Billion)

TABLE 7. Global CBRNE Defense Market by segment, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 8. Global CBRNE Defense Market by region, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 9. Global CBRNE Defense Market by segment, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 10. Global CBRNE Defense Market by region, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 11. Global CBRNE Defense Market by segment, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 12. Global CBRNE Defense Market by region, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 13. Global CBRNE Defense Market by segment, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 14. Global CBRNE Defense Market by region, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 15. Global CBRNE Defense Market by segment, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 16. Global CBRNE Defense Market by region, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 17. U.S. CBRNE Defense Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 18. U.S. CBRNE Defense Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 19. U.S. CBRNE Defense Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 20. Canada CBRNE Defense Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 21. Canada CBRNE Defense Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 22. Canada CBRNE Defense Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 23. UK CBRNE Defense Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 24. UK CBRNE Defense Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 25. UK CBRNE Defense Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 26. Germany CBRNE Defense Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 27. Germany CBRNE Defense Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 28. Germany CBRNE Defense Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 29. France CBRNE Defense Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 30. France CBRNE Defense Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 31. France CBRNE Defense Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 32. Italy CBRNE Defense Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 33. Italy CBRNE Defense Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 34. Italy CBRNE Defense Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 35. Spain CBRNE Defense Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 36. Spain CBRNE Defense Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 37. Spain CBRNE Defense Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 38. RoE CBRNE Defense Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 39. RoE CBRNE Defense Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 40. RoE CBRNE Defense Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 41. China CBRNE Defense Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 42. China CBRNE Defense Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 43. China CBRNE Defense Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 44. India CBRNE Defense Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 45. India CBRNE Defense Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 46. India CBRNE Defense Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 47. Japan CBRNE Defense Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 48. Japan CBRNE Defense Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 49. Japan CBRNE Defense Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 50. South Korea CBRNE Defense Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 51. South Korea CBRNE Defense Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 52. South Korea CBRNE Defense Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 53. Australia CBRNE Defense Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 54. Australia CBRNE Defense Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 55. Australia CBRNE Defense Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 56. RoAPAC CBRNE Defense Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 57. RoAPAC CBRNE Defense Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 58. RoAPAC CBRNE Defense Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 59. Brazil CBRNE Defense Market estimates & forecasts, 2019-2029 (USD

Billion)

TABLE 60. Brazil CBRNE Defense Market estimates & forecasts by segment
2019-2029 (USD Billion)

TABLE 61. Brazil CBRNE Defense Market estimates & forecasts by segment
2019-2029 (USD Billion)

TABLE 62. Mexico CBRNE Defense Market estimates & forecasts, 2019-2029 (USD
Billion)

TABLE 63. Mexico CBRNE Defense Market estimates & forecasts by segment
2019-2029 (USD Billion)

TABLE 64. Mexico CBRNE Defense Market estimates & forecasts by segment
2019-2029 (USD Billion)

TABLE 65. RoLA CBRNE Defense Market estimates & forecasts, 2019-2029 (USD
Billion)

TABLE 66. RoLA CBRNE Defense Market estimates & forecasts by segment
2019-2029 (USD Billion)

TABLE 67. RoLA CBRNE Defense Market estimates & forecasts by segment
2019-2029 (USD Billion)

TABLE 68. Row CBRNE Defense Market estimates & forecasts, 2019-2029 (USD
Billion)

TABLE 69. Row CBRNE Defense Market estimates & forecasts by segment 2019-2029
(USD Billion)

TABLE 70. Row CBRNE Defense Market estimates & forecasts by segment 2019-2029
(USD Billion)

TABLE 71. List of secondary sources, used in the study of global CBRNE Defense
Market

TABLE 72. List of primary sources, used in the study of global CBRNE Defense Market

TABLE 73. Years considered for the study

TABLE 74. Exchange rates considered

List of tables and figures and dummy in nature, final lists may vary in the final
deliverable

List Of Figures

LIST OF FIGURES

- FIG 1. Global CBRNE Defense Market, research methodology
 - FIG 2. Global CBRNE Defense Market, Market estimation techniques
 - FIG 3. Global Market size estimates & forecast methods
 - FIG 4. Global CBRNE Defense Market, key trends 2021
 - FIG 5. Global CBRNE Defense Market, growth prospects 2022-2029
 - FIG 6. Global CBRNE Defense Market, porters 5 force model
 - FIG 7. Global CBRNE Defense Market, pest analysis
 - FIG 8. Global CBRNE Defense Market, value chain analysis
 - FIG 9. Global CBRNE Defense Market by segment, 2019 & 2029 (USD Billion)
 - FIG 10. Global CBRNE Defense Market by segment, 2019 & 2029 (USD Billion)
 - FIG 11. Global CBRNE Defense Market by segment, 2019 & 2029 (USD Billion)
 - FIG 12. Global CBRNE Defense Market by segment, 2019 & 2029 (USD Billion)
 - FIG 13. Global CBRNE Defense Market by segment, 2019 & 2029 (USD Billion)
 - FIG 14. Global CBRNE Defense Market, regional snapshot 2019 & 2029
 - FIG 15. North America CBRNE Defense Market 2019 & 2029 (USD Billion)
 - FIG 16. Europe CBRNE Defense Market 2019 & 2029 (USD Billion)
 - FIG 17. Asia pacific CBRNE Defense Market 2019 & 2029 (USD Billion)
 - FIG 18. Latin America CBRNE Defense Market 2019 & 2029 (USD Billion)
 - FIG 19. Global CBRNE Defense Market, company Market share analysis (2021)
- List of tables and figures and dummy in nature, final lists may vary in the final deliverable

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