

CBRN Defense Market Report by Threat Type (Chemical, Biological, Radiological, Nuclear), Equipment (Protective Wearables, Respiratory Systems, Detection and Monitoring Systems, Decontamination Systems, Simulators, and Others), End Use (Military, Civil and Law Enforcement, and Others), and Region 2024-2032

<https://marketpublishers.com/r/C720D74C2709EN.html>

Date: March 2024

Pages: 146

Price: US\$ 3,899.00 (Single User License)

ID: C720D74C2709EN

Abstracts

The global CBRN defense market size reached US\$ 20.5 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 32.0 Billion by 2032, exhibiting a growth rate (CAGR) of 4.9% during 2024-2032.

CBRN refers to the malicious use of chemical, biological, radiological and nuclear materials or weapons to cause significant harm or disruption. These weapons are rapidly replacing conventional arms due to their potential to affect the target on a larger scale. Besides this, they render a long-lasting impact and affect mortality rates of the current and future generations. CBRN defense includes mitigation, contamination avoidance, and undertaking protective measures and adequate research to identify defense measures that can be utilized in situations wherein advanced research and development of medical countermeasures are necessary.

CBRN Defense Market Trends:

Although technological innovations in nuclear energy, life sciences and biotechnology have positively impacted human development, they have also induced CBRN terrorism. Consequently, the increasing safety measures undertaken by authorities concerned with medical services are among the key factors driving the demand for CBRN defense

solutions. Moreover, the procurement of chemicals and materials for manufacturing CBRN weapons has become easier, which, in turn, is spurring the demand for suitable defense systems across the globe. Apart from this, demilitarization initiatives, such as the reduction of CBRN weapons stockpile, and the increasing investments in CBRN resistance technologies are fostering the market growth. Moreover, the leading players are focusing on devising advanced CBRN defense products with enhanced effectiveness, detection capabilities and rapid decontamination functions. They have also introduced CBRN reconnaissance vehicles with real-time monitoring capabilities, georeferencing chemical compounds and LASER technology for long-range detection of CBRN threats.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global CBRN defense market report, along with forecasts at the global, regional and country level from 2024-2032. Our report has categorized the market based on threat type, equipment and end use.

Breakup by Threat Type:

- Chemical
- Biological
- Radiological
- Nuclear

Breakup by Equipment:

- Protective Wearables
- Respiratory Systems
- Detection and Monitoring Systems
- Decontamination Systems
- Simulators
- Others

Breakup by End Use:

- Military
- Civil and Law Enforcement
- Others

Breakup by Region:

North America

United States

Canada

Asia Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

Competitive Landscape:

The report has also analysed the competitive landscape of the market with some of the key players being Argon Electronics (UK) Ltd., Avon Protection Systems Inc., Blicher GmbH, Bruker Corporation, Chemring Group PLC, Cristanini SPA, Envirionics Oy, FLIR System, Kärcher Futuretech GmbH (Alfred Kärcher SE & Co. KG.), MSA Safety Inc., Smiths Group PLC and Thales Group.

Key Questions Answered in This Report

1. What was the size of the global CBRN defense market in 2023?
2. What is the expected growth rate of the global CBRN defense market during 2024-2032?

3. What are the key factors driving the global CBRN defense market?
4. What has been the impact of COVID-19 on the global CBRN defense market?
5. What is the breakup of the global CBRN defense market based on the threat type?
6. What is the breakup of the global CBRN defense market based on the equipment?
7. What is the breakup of the global CBRN defense market based on the end use?
8. What are the key regions in the global CBRN defense market?
9. Who are the key players/companies in the global CBRN defense market?

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