

# Explosive Detection Technology Industry Analysis Report 2025: Key Trends, Drivers, and Forecast Insights

*The Business Research Company's  
Explosive Detection Technology Global  
Market Report 2025 – Market Size,  
Trends, And Global Forecast 2025-2034*

LONDON, GREATER LONDON, UNITED  
KINGDOM, November 12, 2025

/EINPresswire.com/ -- "Get 20% Off All  
Global Market Reports With Code

ONLINE20 – Stay Ahead Of Trade Shifts, Macroeconomic Trends, And Industry Disruptors



The Business  
Research Company

The Business Research Company

Explosive Detection Technology Market Growth Forecast: What To Expect By 2025?

In the past few years, the [market size for explosive detection technology](#) has seen robust growth.

“

The Business Research  
Company's Latest Report  
Explores Market Driver,  
Trends, Regional Insights -  
Market Sizing & Forecasts  
Through 2034”

*The Business Research  
Company*

With an expectation to increase from \$7.33 billion in 2024 to \$7.76 billion in 2025, the compound annual growth rate (CAGR) is projected at 5.9%. The market's growth during the historic period is attributed to a rise in national security concerns, enhanced budgets for defense and homeland security, an increase in demand for screening technologies, an uptick in research and development initiatives, and a surge in the usage of drones.

The market size for explosive detection technology is anticipated to experience robust growth in the coming

years, reaching a valuation of \$9.78 billion in 2029 with a compound annual growth rate (CAGR) of 5.9%. This projected growth during the forecast period can be credited to factors such as the surge in the number of airports and investments, increased investments in military and defense, growing government initiatives, heightened demand for security systems, and the escalating risk of explosive attacks. The forecast period is also expected to witness key trends like technological advancements, integration of artificial intelligence, sensor technology, robotics, and data analytics.

Download a free sample of the explosive detection technology market report:  
<https://www.thebusinessresearchcompany.com/sample.aspx?id=20782&type=smp>

### What Are Key Factors Driving The Demand In The Global Explosive Detection Technology Market?

The global increase in terrorism is predicted to drive forward the expansion of the explosive detection technology market. Terrorism, which utilises violence, intimidation, or threats typically against civilian populations, to accomplish political, religious or ideological goals, is on a rise. The increase can be attributed to factors such as political instability, ideological extremism, social and economic disparities, technological advancement, and existing geopolitical disputes. Explosive detection technology plays a critical role in counter-terrorism measures by identifying and preventing explosive usage in public areas, airports, and other high-risk zones, thereby ensuring safety. For example, the 2023 Global Terrorism Index by Australia's Institute for Economics & Peace reported in December 2023 that terrorist attacks have seen an uptick in lethality, with the average death rate per attack rising by 26%. In 2022, the mortality rate escalated to 1.7 per attack, an increase from 1.3 in 2021. Hence, global terrorism's upward trend is fueling the explosive detection technology market's growth.

### Who Are The Leading Players In The Explosive Detection Technology Market?

Major players in the Explosive Detection Technology Global Market Report 2025 include:

- General Electric Company
- Safran SA
- L3Harris Technologies Inc.
- Leidos Holdings Inc.
- Elbit Systems Ltd.
- Smiths Detection Group Ltd.
- Bruker Corporation
- Cobham PLC
- FLIR Systems Inc.
- MSA Safety Incorporated

### What Are Some Emerging Trends In The Explosive Detection Technology Market?

Leading corporations in the explosive detection technology market are prioritizing the development of creative solutions, like portable trace detection systems, to amplify security provisions in diverse settings. This refers to a small, mobile device aimed at recognizing even the smallest traces of explosive substances in real-time, which allows thorough and speedy scans at locations like airports, border checkpoints, and public gatherings. For example, in April 2023, Pokhriyal, a company based in India that specializes in creating sophisticated explosive detection systems, unveiled NanoSniffer. NanoSniffer is a trace detector of explosives based on microsensor technology. It is engineered for swift and precise detection of explosives, which makes it remarkably suitable for a variety of uses, including airport security, military activities, and ensuring public safety.

Analysis Of Major [Segments Driving The Explosive Detection Technology](#) Market Growth

The explosive detection technology market covered in this report is segmented –

- 1) By Technology: Bulk Detection, Trace Detection
- 2) By Function: Automated, Manual
- 3) By Application: Transport Safety, Safeguarding Facilities, Other Applications
- 4) By End Use: Air Transport, Critical Infrastructure, Ports And Borders, Military And Defense

Subsegments:

- 1) By Bulk Detection: X-ray Inspection Systems, Gamma-ray Detection Systems, Neutron Activation Systems, Ground Penetrating Radar (GPR), Explosive Detection Using Canine-Assisted Detection Systems, Bulk Acoustic Wave (BAW) Sensors, Acoustic and Vibration-Based Detection Systems, Advanced Radar Imaging For Bulk Detection
- 2) By Trace Detection: Ion Mobility Spectrometry (IMS), Mass Spectrometry (MS), Laser-Induced Breakdown Spectroscopy (LIBS), Surface Enhanced Raman Spectroscopy (SERS), Chemical Ionization Detection, Photoionization Detectors (PID), Field Asymmetric Ion Mobility Spectrometry (FAIMS), Electronic Nose and Sensor Arrays For Trace Detection

View the full explosive detection technology market report:

<https://www.thebusinessresearchcompany.com/report/explosive-detection-technology-global-market-report>

Which Region Is Expected To Lead The Explosive Detection Technology Market By 2025?

In 2024, the Asia-Pacific region led the global market for explosive detection technology. Europe is predicted to experience the most rapid growth in the forthcoming period. The global market report on explosive detection technology includes the following regions: Asia-Pacific, Western Europe, Eastern Europe, North America, South America, Middle East, and Africa.

Browse Through More Reports Similar to the Global Explosive Detection Technology Market 2025, By The Business Research Company

Explosives Global Market Report 2025

<https://www.thebusinessresearchcompany.com/report/explosives-global-market-report>

Explosives Market 2025

<https://www.thebusinessresearchcompany.com/report/explosives-market>

Research Department Explosive Rdx Global Market Report 2025

<https://www.thebusinessresearchcompany.com/report/research-department-explosive-rdx-global-market-report>

Speak With Our Expert:

Saumya Sahay

Americas +1 310-496-7795

Asia +44 7882 955267 & +91 8897263534

Europe +44 7882 955267

Email: saumyas@tbrc.info

[The Business Research Company - www.thebusinessresearchcompany.com](http://www.thebusinessresearchcompany.com)

Follow Us On:

• LinkedIn: <https://in.linkedin.com/company/the-business-research-company>"

Oliver Guirdham

The Business Research Company

+44 7882 955267

info@tbrc.info

Visit us on social media:

[LinkedIn](#)

[Facebook](#)

[X](#)

---

This press release can be viewed online at: <https://www.einpresswire.com/article/866205077>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2025 Newsmatics Inc. All Right Reserved.