

Smart Weapons Market Report by Type (Missiles, Munitions, Guided Projectiles, Guided Rockets, Precision Guided Firearms), Technology (Satellite Guidance, Radar Guidance, Infrared Guidance, Laser Guidance), Platform (Land-based, Sea/Naval, Air), and Region 2024-2032

<https://marketpublishers.com/r/S91551306CA4EN.html>

Date: August 2024

Pages: 144

Price: US\$ 3,509.00 (Single User License)

ID: S91551306CA4EN

Abstracts

The global smart weapons market size reached US\$ 18.1 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 28.8 Billion by 2032, exhibiting a growth rate (CAGR) of 5.2% during 2024-2032.

Smart weapons are computer-guided munitions that can hit a target with high accuracy using bullets, land mines, and onboard computers. They are equipped with technologies like laser, television, satellite guidance system, artificial intelligence (AI), and machine learning (ML). These advanced technologies aid military personnel in dealing with combatants on the battlefield and eliminating or reducing the collateral damage. Smart weapons can be programmed to filter unwanted signals in multiple-signal environments and find a specific target on a battlefield.

Smart Weapons Market Trends:

Due to rising geopolitical tensions between countries, military organizations in different parts of the world are focusing on upgrading the existing firefighting equipment of the armed forces. This represents one of the significant factors catalyzing the need for digital innovation and transformation of weapons. Smart weapons assist in analyzing battlefield situations on land, at sea, and in the air. Moreover, advanced technologies can be embedded in electronic warfare (EW) systems to provide augmented reality (AR)

information to operators. In line with this, defense research and development (R&D) organizations are developing fully automated smart weapons that can make decisions on strike or self-respond. For instance, the Defense Advanced Research Projects Agency (DARPA), an agency of the United States Department of Defense, funded six organizations to support the Next-Generation Nonsurgical Neurotechnology (N3) program. This program aims at developing high-resolution, bidirectional brain-machine interfaces that can enable diverse national security applications. These applications include controlling active cyber defense systems, multitasking during complex missions, and swarms of unmanned aerial vehicles (UAVs). In addition, the increasing spending on the modernization of the defense sector is driving the market for smart weapons across the globe.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global smart weapons market report, along with forecasts at the global, regional and country level from 2024-2032. Our report has categorized the market based on type, technology and platform.

Breakup by Type:

- Missiles

 - Anti-Tank Missiles and Standoff Missiles

 - Air-to-Air and Air-to-Surface Missiles

 - Anti-Ship and Anti-Submarine Missiles

- Munitions

 - Guided Bombs

 - Target Pods

 - Guided Projectiles

 - Artillery Shells

Mortar Rounds

Guided Rockets

Anti-Tank and Tactical Rockets

Air-to-Air and Air-to-Surface

Anti-Submarine

Precision Guided Firearms

Small Smart Weapons

Shoulder Fired Weapons

Smart Guns

Breakup by Technology:

Satellite Guidance

Radar Guidance

Infrared Guidance

Laser Guidance

Breakup by Platform:

Land-based

Sea/Naval

Air

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 competitive landscape of the industry has also been examined along with the profiles of the key players being Airbus SE, BAE Systems, General Dynamics Corporation, Israel Aerospace Industries, L3Harris Technologies Inc., Lockheed Martin Corporation, Northrop Grumman Corporation, Rafael Advanced Defense Systems Ltd., Raytheon Technologies Corporation, Thales Group and The Boeing Company.

Key Questions Answered in This Report:

How has the global smart weapons market performed so far and how will it perform in the coming years?

What has been the impact of COVID-19 on the global smart weapons market?

What are the key regional markets?

What is the breakup of the market based on the type?

What is the breakup of the market based on the technology?

What is the breakup of the market based on the platform?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the global smart weapons market and who are the key players?

What is the degree of competition in the industry?

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