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Global Military Robotics & Autonomous Systems Market Research Report:
Information by Type (Unmanned Ground Vehicle, Unmanned Marine Vehicle, and Unmanned Air Vehicle), Operation (Remote Controlled, Semi-Autonomous, and Fully Autonomous), Application (Search and Rescue, Explosive Disarmament, Fire Support, Reconnaissance, Logistics Support, and Others), Platform (Lethal and Non-Lethal), and Region (North America, Europe, Asia-Pacific, and the Rest of the World)—Forecast till 2024

Market Scenario

Robotics and autonomous systems (RAS) is a framework to describe systems with a robotic or autonomous element, or more commonly, both.

The nexus of RAS and artificial intelligence (AI) has the potential to change the nature of warfare. RAS offers the possibility of a wide range of platforms, not just weapons systems, potentially reducing the risks to soldiers resulting in a generation of less-expensive ground systems.

The global military robotics and autonomous systems market is estimated to register a CAGR of over 13% during the forecast period of 2019 to 2024. Factors such as a rising focus on the development of unmanned military systems, use of robots for a new range of military applications, and military modernization programs in various countries are expected to drive the growth of the military robotics and autonomous systems market from 2019 to 2024.

The application and sales of military autonomous systems are likely to grow exponentially in the future as armies continue to develop and invest in the technology. Some military experts believe that not only will combat robots be a reality soon, but robots will outnumber actual service personnel in the US Army by 2025.

Segmentation of the Global Military Robotics and Autonomous Systems Market

Based on type, the market has been divided into unmanned ground vehicles (UGV), unmanned marine vehicles (UMV), and unmanned air vehicles (UAV). The unmanned ground vehicles (UGV) segment is projected to register the highest CAGR during the forecast period. The rising demand for UGV can be attributed to increasing application in counter-IED operations and the replacement of existing warfare platforms with unmanned systems.
The use of unmanned systems in the army would enhance situational awareness, lighten the soldier's physical and cognitive loads, bolster force sustainment, and help units move and maneuver on the battlefield while protecting soldiers from threats.

**Implementation Roadmap: Military Robotics and Autonomous Systems**

**Intended Audience**
- Computer hardware solutions providers
- IT professionals
- Law enforcement agencies
- Defense organizations
- Government authorities
- Defense companies
- Research institutes
- Regulatory bodies

**Key Players**
The key players in the global military robotics and autonomous systems market are Lockheed Marin Corporation (US), QinetiQ (UK), SAAB AB (Sweden), Elbit System Ltd (Israel), Northrup Grumman Corporation (US), Israel Aerospace Industries (Israel), Thales Group (France), Endeavor Robotics (US), Safran (France), and Cobham PLC (UK).

**Research Methodology**
The market values and forecast are derived using the MRFR research methodology, which includes secondary research, primary interviews, data triangulation, and validation from an in-house data repository and statistical modeling tools.

**Secondary Research**
In this process, data is collected from various secondary sources, including annual reports, SEC filings, journals, government associations, aerospace & defense magazines, white papers, corporate presentations, company websites, and paid databases.

**Primary Research**
In this process, both the demand- and supply-side parties are interviewed to extract facts and insights into the market forecast, production, trends, and projected market growth. Industry stakeholders such as CEOs, VPs, directors, and marketing executives across the value chain are approached to obtain key information.

**Key Insights**
- Market Sizing, Forecast, and Analysis: Detailed coverage of the market segment and sub-segments
- Regional/Country Trends and Forecast: Detailed analysis of the market in North America, Asia-Pacific, Europe, Middle East & Africa, and Latin America, along with key countries in each region
- Market Dynamics Intelligence: Market drivers, opportunities, trends, restraints, Porter’s five forces, supply chain, and value chain analysis
- Technology Trends, Regulatory Landscape, and Patent Analysis Outlook
- Competitive Intelligence: Market share analysis, financial analysis, product benchmarking, and strategic developments including joint ventures, product launches, and mergers & acquisitions
- Regional attractiveness and related growth opportunities

Report Customization
MRFR offers report customization to valued customers. Below are the options available for customization:

1. Company Profiles

In-depth profiling of additional market players (3 to 4 companies)

2. Country-Level Analysis

Detailed analysis of a country-level market and related segments as per the report scope (subject to data availability)

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