

Protection Systems for Land vehicles - Market and Technology Forecast to 2031

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Abstracts

The evolution of protective technologies for armoured vehicles has sparked a noticeable surge in demand, particularly from those who had previously remained undecided. This shift in sentiment is primarily attributed to the emphasis on weight reduction, enhancements in modular designs, and the development of advanced sensors capable of countering jamming and addressing concerns related to friendly fire occurrences.

Emerging armoured vehicle designs are set to incorporate seamlessly integrated Active Protection Systems (APS) alongside a comprehensive array of multilayer and diversified passive protection systems. The designs emanating from protection system pioneers are truly remarkable, empowering decision-makers to capitalize on these cutting-edge models.

The study 'Protection Systems for Land vehicles - Market and Technology Forecast to 2031' offers a detailed analysis of the global active and passive protection system market for land vehicles over the next eight years, and provides market size forecasts. Furthermore, it covers key technological and market trends in the industry and analysis factors influencing demand for Electronic Warfare systems.

Global protection Systems for land Vehicles markets will reach US\$7.8 billion in 2031 from US\$ 3.2 billion in 2023. Initially, there will be slow market growth as these systems need to go through rigorous testing and field experiments. This is the best time for putting protection systems in the tests and field experiments as wars with Russia are providing many inputs for the US and NATO armies.

In the next ten years, there will be vast developments in Anti-tank missiles and the use of hypersonic weapons could be a possibility. This will create a need for highly

advanced and highly reactive active and passive protection systems. And sadly today they lag behind the development pace of the weapons. The power required to operate advanced active protection systems is a main concern. Today very few vehicles can take that burden.

Miniaturisation and making protection equipment according to Size, weight and power (SwaP) design will be a priority. Sub-systems such as multiple sensor networks, soft-kill systems, improved firepower and others will get a business demand from the global electronic warfare markets. The use of Artificial intelligence and data analytics has great opportunities in protection systems.

Covered in this study

Overview: Snapshot of the protection system for the land vehicles market during 2023 - 2031, including highlights of the demand drivers, trends, and challenges. It also provides a snapshot of the procurement plans concerning regions as well as components, types, and platforms. It sheds light on the emergence of new platforms like mid-band next-generation jammers and low-band next-generation jammers.

Market Dynamics: Insights into the technological developments in the active and passive protection systems and integration of emerging technologies such as artificial intelligence, data analytics, and cyber-security and a detailed analysis of the changing preferences of protection solutions for land vehicles around the world. It also analysis changing industry structure trends and the challenges faced by the industry participants.

Segment Analysis: Insights into the protection systems for land vehicles market from a segmental perspective and a detailed analysis of factors influencing the market for each segment.

Regional Review: Insights into present protection systems for land vehicles strength and future demand for top countries within a region.

Regional Analysis: Insights into the protection systems for land vehicles market from a regional perspective and a detailed analysis of factors influencing the market for each region.

Trend Analysis - Key Defence Market: Analysis of the key markets in each

region, providing an analysis of the protection systems for land vehicles expected to be in demand in each region.

Competitive landscape analysis: Analysis of the competitive landscape of the global protection systems for the land vehicles industry. It provides an overview of key companies, together with insights such as product range, strategic partnerships and SWOT analysis.

Segmentation

The market is segmented by Region, Platform, Protective System, and Sub-system.

Region

North America

Europe

Asia Pacific

Middle East & Africa

RoW

Armoured Vehicle Platforms

Main Battle MBTs (MBT)

Infantry Fighting Vehicles (IFV)

Self-Propelled Howitzers (SPH)

Ground-Based Air Defence Vehicles (GBAD)

Armoured Personnel Carriers (APC)

Protective System

Active Protective Systems

Passive Protection Systems

Sub-Systems

APS Sub-Systems

Sensors Countermeasures

Fire Control Systems

Power System

Displays & Control Units

Armour Plates

Reasons to buy

Determine prospective procurement areas based on a detailed procurement plan analysis of the protection system for the land vehicles market over the next eight years.

Gain an in-depth understanding of the underlying factors driving demand for different protection systems for land vehicles in the leading countries and other potential markets across the world and identify the opportunities offered by each of them

Strengthen your understanding of the market in terms of demand drivers, industry trends, and the latest technological developments, among others.

Identify the major channels that are driving the global protection system for the land vehicles markets, providing a clear picture of future opportunities that can be tapped, resulting in revenue expansion.

Make correct business decisions based on a thorough analysis of the total competitive landscape of the sector with detailed profiles of the providers of protection systems for land vehicles around the world.

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Global Chemical, Biological, Radiological & Nuclear (CBRN) - Market and Technology Forecast to 2028

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Global Body Armor and Personal Protection Systems - Market and Technology Forecast to 2027

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