

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

<https://marketpublishers.com/r/PD58B4C99D78EN.html>

Date: August 2023

Pages: 145

Price: US\$ 4,315.00 (Single User License)

ID: PD58B4C99D78EN

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.

Related studies:

Global Military Ammunition - Market and Technology Forecast to 2031

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

Remotely Operated Weapon Stations - Market and Technology Forecast to 2031

Military Armored Vehicles - Market and Technology Forecast to 2031

Military Unmanned Ground Vehicles (UGV) - Market and Technology Forecast to 2030

Global Military Small Arms - Market and Technology Forecast to 2028

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

Contents

1 INTRODUCTION

- 1.1 Scope
- 1.2 Definitions
- 1.3 Methodology
- 1.4 Who will benefit from this study?

2 EXECUTIVE SUMMARY

- 2.1 Trends and Insights
- 2.2 Main Findings
- 2.3 Key Conclusions

3 TECHNOLOGIES AND DEVELOPMENTS

- 3.1 Overview
 - 3.1.1 APS Developments
 - 3.1.2 Rectifications on Friendly Fires
 - 3.1.3 Silent mode
 - 3.1.4 Leveraging Modularity and Reconfigurability
 - 3.1.5 Adopting Open System Architecture
 - 3.1.6 Optimisation of Simulation and Testing
 - 3.1.7 Sensor and Detection Systems
 - 3.1.8 Integrated Communication and Networking
 - 3.1.9 Augmented Reality and Heads-Up Displays
 - 3.1.10 Robotics and Autonomous Systems
 - 3.1.11 Data Analytics and Artificial Intelligence
 - 3.1.12 Cybersecurity
- 3.2 Passive Protection Systems
 - 3.2.1 Steel Plate Armours
 - 3.2.2 Explosive Reactive Armour (ERA)
 - 3.2.3 Non-Explosive Reactive Armour (NERA)
 - 3.2.4 Chobham Armour
 - 3.2.5 Spaced Ceramic Armour
- 3.3 Built-in Protection Systems

4 MARKET OVERVIEW

- 4.1 Introduction
- 4.2 Market Activity
 - 4.2.1 Protection System Development Programmes by Country
 - 4.2.2 Key Protection Systems by Country
 - 4.2.3 Pricing
 - 4.2.4 Market Size
- 4.3 Protection systems market volumes distribution over the forecast period by Region
 - 4.3.1 North America
 - 4.3.2 Europe
 - 4.3.3 Russia and CIS
 - 4.3.4 Asia
 - 4.3.5 Middle East and Africa
 - 4.3.6 South America

5 MARKET ANALYSIS AND FORECAST FACTORS

- 5.1 Market Segmentation
 - 5.1.1 Regions
 - 5.1.2 Platforms
 - 5.1.3 Subsystems
- 5.2 Drivers
- 5.3 Trends
- 5.4 Opportunities
- 5.5 Challenges

6 COUNTRY ANALYSIS

- 6.1 The US
 - 6.1.1 APS Programmes
 - 6.1.2 Passive Protection System Programmes
- 6.2 The UK
- 6.3 Germany
- 6.4 France
- 6.5 Italy
- 6.6 Spain
- 6.7 Russia
- 6.8 Israel
- 6.9 Turkey

- 6.10 China
- 6.11 Japan
- 6.12 South Korea
- 6.13 India
- 6.14 Australia

7 GLOBAL AND REGIONAL MARKET FORECAST TO 2031

- 7.1 Introduction
- 7.2 Protection Systems Market by Region
 - 7.2.1 Active Protection System Market by Region
 - 7.2.2 Passive Protection System Market by Region
- 7.3 Protection systems Market Regions by Platform
 - 7.3.1 North America Protection systems Market by Platform
 - 7.3.2 Europe Protection systems Market by Platform
 - 7.3.3 APAC Protection systems Market by Platform
 - 7.3.4 MEA Protection systems Market by Platform
 - 7.3.5 South America Protection systems Market by Platform
- 7.4 Active Protection Systems Market Regions by Sub-systems
 - 7.4.1 North America Active Protection Systems Market by Sub-systems
 - 7.4.2 Europe Active Protection Systems Market by Sub-Systems
 - 7.4.3 APAC Active Protection Systems Market by Sub-Systems
 - 7.4.4 MEA Active Protection Systems Market by Sub-Systems
 - 7.4.5 South America Active Protection Systems Market by Sub-Systems
- 7.5 Opportunity Analysis
 - 7.5.1 By Region
 - 7.5.2 By Platform
 - 7.5.3 By Sub-Systems

8 MARKET FORECAST TO 2031 BY PLATFORM

- 8.1 Introduction
- 8.2 Protection systems Platform Market by Region
 - 8.2.1 Protection systems for MBTs Market by Region
 - 8.2.2 Protection systems for IFVs Market by Region
 - 8.2.3 Protection Systems for SPHs Market by Region
 - 8.2.4 Protection systems for GBAD Market by Region
 - 8.2.5 Protection Systems for APC Market by Region
- 8.3 Active Protection Systems Platform Market by Sub-systems

- 8.3.1 Active Protection Systems for MBTs Market by Sub-systems
- 8.3.2 Active Protection Systems for IFVs Market by Sub-systems
- 8.3.3 Active Protection Systems for SPH Market by Sub-systems
- 8.3.4 Active Protection Systems for GBAD Market by Sub-systems
- 8.3.5 Active Protection Systems for APC Market by Sub-systems

9 IMPACT ANALYSIS

- 9.1 Introduction
- 9.2 Forecast Factors and Market Impact
 - 9.2.1 Modular Designs will be Game Changers

10 LEADING COMPANIES

- 10.1 ASELSAN (Turkey)
 - 10.1.1 Introduction
 - 10.1.2 Protection Systems and Services
 - 10.1.3 Recent Developments and Contracts
 - 10.1.4 SWOT Analysis
- 10.2 BAE Systems (United Kingdom)
 - 10.2.1 Introduction
 - 10.2.2 Protection Systems and Services
 - 10.2.3 SWOT Analysis
- 10.3 Elbit Systems (Israel)
 - 10.3.1 Introduction
 - 10.3.2 Protection Systems and Services
 - 10.3.3 Recent Developments and Contracts
 - 10.3.4 SWOT Analysis
- 10.4 KBM (Russia)
 - 10.4.1 Introduction
 - 10.4.2 Protection Systems and Services
 - 10.4.3 Recent Developments and Contracts
 - 10.4.4 SWOT Analysis
- 10.5 Northrop Grumman Corporation (USA)
 - 10.5.1 Introduction
 - 10.5.2 Protection Systems and Services
 - 10.5.3 Recent Developments and Contracts
 - 10.5.4 SWOT Analysis
- 10.6 Rafael Advanced Defence Systems (Israel)

- 10.6.1 Introduction
- 10.6.2 Protection Systems and Services
- 10.6.3 Recent Developments and Contracts
- 10.6.4 SWOT Analysis
- 10.7 Rheinmetall AG (Germany)
 - 10.7.1 Introduction
 - 10.7.2 Protection Systems and Services
 - 10.7.3 Recent Developments and Contracts
 - 10.7.4 SWOT Analysis
- 10.8 Saab AB (Sweden)
 - 10.8.1 Protection Systems and Services
 - 10.8.2 Recent Developments and Contracts
 - 10.8.3 SWOT Analysis
- 10.9 Other notable Players
 - 10.9.1 Thales (France)
 - 10.9.2 Raytheon Technologies (USA)

11 RESULTS AND CONCLUSIONS

12 ABOUT MARKET FORECAST

- 12.1 General
- 12.2 Contact us
- 12.3 Disclaimer
- 12.4 License
- Appendix A: Companies Mentioned
- Appendix B: Abbreviations

List Of Figures

LIST OF FIGURES

Figure 1: Protection systems for Land Vehicles market summary by Region

Figure 2: Market volumes over the forecast period per region

Figure 3: Market Segmentation and Sub-Segmentation Protection Systems Market

Figure 4: Active Protection System Market Forecast to 2031 by Regions [US\$ billion]

Figure 5: Global Market Forecast for Active Protection Systems to 2031 by Region [%]

Figure 6: Passive Protection System Market Forecast to 2031 by Regions [US\$ billion]

Figure 7: Global Market Forecast for Active Protection Systems to 2031 by Region [%]

Figure 8: North America Active Protection System Market Forecast to 2031 by Platform [US\$ billion]

Figure 9: North America Passive Protection System Market Forecast to 2031 by Platform [US\$ billion]

Figure 10: Europe Active Protection System Market Forecast to 2031 by Platform [US\$ billion]

Figure 11: Europe Passive Protection System Market Forecast to 2031 by Platform [US\$ billion]

Figure 12: APAC Active Protection System Market Forecast to 2031 by Platform [US\$ billion]

Figure 13: APAC Passive Protection System Market Forecast to 2031 by Platform [US\$ billion]

Figure 14: MEA Active Protection System Market Forecast to 2031 by Platform [US\$ billion]

Figure 15: MEA Passive Protection System Market Forecast to 2031 by Platform [US\$ billion]

Figure 16: South America Active Protection System Market Forecast to 2031 by Platform [US\$ billion]

Figure 17: South America Passive Protection System Market Forecast to 2031 by Platform [US\$ billion]

Figure 18: North America Active Protection System Market Forecast to 2031 by Platform [US\$ billion]

Figure 19: Europe Active Protection System Market Forecast to 2031 by Sub-Systems [US\$ billion]

Figure 20: APAC Active Protection System Market Forecast to 2031 by Sub-Systems [US\$ billion]

Figure 21: MEA Active Protection System Market Forecast to 2031 by Sub-Systems [US\$ billion]

Figure 22: South America Active Protection System Market Forecast to 2031 by Sub-Systems [US\$ billion]

Figure 23: Active Protection Systems market size, 2022-2030 (US\$ billion) by region

Figure 24: Active Protection Systems market CAGR, 2022-2030 by region

Figure 25: Active Protection Systems Market Size, 2023-2031 (US\$ billion) by Platform

Figure 26: Active Protection Systems market CAGR, 2023-2031 by Platform

Figure 27: Active Protection Systems Market Size, 2023-2031 (US\$ billion) by Sub-Systems

Figure 28: Active Protection Systems market CAGR, 2023-2031 by Sub-Systems

Figure 29: Active Protection System Market for MBTs Forecast to 2031 by Regions [US\$ billion]

Figure 30: Passive Protection System Market for MBTs Forecast to 2031 by Regions [US\$ billion]

Figure 31: Active Protection System Market for IFVs Forecast to 2031 by Regions [US\$ billion]

Figure 32: Passive Protection System Market for IFVs Forecast to 2031 by Regions [US\$ billion]

Figure 33: Active Protection System Market for SPHs Forecast to 2031 by Regions [US\$ billion]

Figure 34: Passive Protection System Market for SPHs Forecast to 2031 by Regions [US\$ billion]

Figure 35: Active Protection System Market for GBAD Forecast to 2031 by Regions [US\$ billion]

Figure 36: Active Protection System Market for GBAD Forecast to 2031 by Regions [US\$ billion]

Figure 37: Active Protection System Market for APC Forecast to 2031 by Regions [US\$ billion]

Figure 38: Active Protection System Market for APC Forecast to 2031 by Regions [US\$ billion]

Figure 39: Active Protection System for MBTs Market Forecast to 2031 by Sub-Systems [US\$ billion]

Figure 40: Active Protection System for IFVs Market Forecast to 2031 by Sub-Systems [US\$ billion]

Figure 41: Active Protection System for SPH Market Forecast to 2031 by Sub-Systems [US\$ billion]

Figure 42: Active Protection System for GBAD Market Forecast to 2031 by Sub-Systems [US\$ billion]

Figure 43: Active Protection System for APC Market Forecast to 2031 by Sub-Systems [US\$ billion]

Figure 44: Passive Protection System Market Forecast to 2031 Scenario I Vs. Scenario II

List Of Tables

LIST OF TABLES

Table 1: Protection systems for Land Vehicles market summary by Region [US\$ billion]

Table 2: Worldwide Protection System Development Programmes

Table 3: Worldwide APS Products

Table 4: Active Protection Systems Market Forecast to 2031 by Region [US\$ billion]

Table 5: Passive Protection Systems Market Forecast to 2031 by Region [US\$ billion]

Table 6: North America Active Protection System Market Forecast to 2031 by Platform [US\$ billion]

Table 7: North America Passive Protection System Market Forecast to 2031 by Platform [US\$ billion]

Table 8: Europe Active Protection Systems Market Forecast to 2031 by Platform [US\$ billion]

Table 9: Europe Passive Protection System Market Forecast to 2031 by Platform [US\$ billion]

Table 10: APAC Active Protection Systems Market Forecast to 2031 by Platform [US\$ billion]

Table 11: APAC Passive Protection System Market Forecast to 2031 by Platform [US\$ billion]

Table 12: MEA Active Protection Systems Market Forecast to 2031 by Platform [US\$ billion]

Table 13: MEA Passive Protection System Market Forecast to 2031 by Platform [US\$ billion]

Table 14: South America Active Protection Systems Market Forecast to 2031 by Platform [US\$ billion]

Table 15: South America Passive Protection Systems Market Forecast to 2031 by Platform [US\$ billion]

Table 16: North America Active Protection Systems Market Forecast to 2031 by Sub-Systems [US\$ billion]

Table 17: Europe Active Protection Systems Market Forecast to 2031 by Sub-Systems [US\$ billion]

Table 18: APAC Active Protection Systems Market Forecast to 2031 by Sub-Systems [US\$ billion]

Table 19: MEA Active Protection Systems Market Forecast to 2031 by Sub-Systems [US\$ billion]

Table 20: South America Active Protection Systems Market Forecast to 2031 by Sub-Systems [US\$ billion]

Table 21: Active Protection Systems Market for MBTs Forecast to 2031 by Region [US\$ billion]

Table 22: Passive Protection Systems Market for MBTs Forecast to 2031 by Region [US\$ billion]

Table 23: Active Protection Systems Market for IFVs Forecast to 2031 by Region [US\$ billion]

Table 24: Passive Protection Systems Market for IFVs Forecast to 2031 by Region [US\$ billion]

Table 25: Active Protection Systems Market for SPHs Forecast to 2031 by Region [US\$ billion]

Table 26: Passive Protection Systems Market for SPHs Forecast to 2031 by Region [US\$ billion]

Table 27: Active Protection Systems Market for GBAD Forecast to 2031 by Region [US\$ billion]

Table 28: Passive Protection Systems Market for GBAD Forecast to 2031 by Region [US\$ billion]

Table 29: Active Protection Systems Market for APC Forecast to 2031 by Region [US\$ billion]

Table 30: Passive Protection Systems Market for APC Forecast to 2031 by Region [US\$ billion]

Table 31: Active Protection Systems for MBTs Market Forecast to 2031 by Sub-Systems [US\$ billion]

Table 32: Active Protection Systems for IFVs Market Forecast to 2031 by Sub-Systems [US\$ billion]

Table 33: Active Protection Systems for SPH Market Forecast to 2031 by Sub-Systems [US\$ billion]

Table 34: Active Protection Systems for GBAD Market Forecast to 2031 by Sub-Systems [US\$ billion]

Table 35: Active Protection Systems for APC Market Forecast to 2031 by Sub-Systems [US\$ billion]

Table 36: Passive Protection System Market Forecast to 2031 Scenario I Vs. Scenario II

Table 37: Aselsan Company SWOT Analysis

Table 38: BAE Systems Company SWOT Analysis

Table 39: Elbit Systems Company SWOT Analysis

Table 40: KBM Company SWOT Analysis

Table 41: Northrop Grumman Company SWOT Analysis

Table 42: Rafael Company SWOT Analysis

Table 43: Rheinmetall Company SWOT Analysis

Table 44: SAAB Company SWOT Analysis

I would like to order

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

Product link: <https://marketpublishers.com/r/PD58B4C99D78EN.html>

Price: US\$ 4,315.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/PD58B4C99D78EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970