

# **Global Military Vehicle Electrification Market Size study, by Technology (Hybrid, Fully electric), by Platform (Combat vehicles, Support vehicles, Unmanned armored vehicles), by System( Power Generation, Cooling Systems, Energy Storage, Traction Drive Systems, Power Conversion)and Regional Forecasts 2021-2027**

<https://marketpublishers.com/r/G1435E54E567EN.html>

Date: June 2021

Pages: 200

Price: US\$ 3,218.00 (Single User License)

ID: G1435E54E567EN

## **Abstracts**

Global Military Vehicle Electrification Market is valued at approximately USD 4.8 billion in 2020 and is anticipated to grow with a healthy growth rate of more than 13 % over the forecast period 2021-2027. Due to the rising amount of electronic equipment on current military land vehicles, power and energy requirements are continuing to rise, placing additional demands on vehicle battery technologies. Traditional lead-acid batteries used in automobiles have reached their performance limits in many applications, necessitating the development of new battery technologies. Li-ion batteries have become one of the most widely used secondary battery technologies in a variety of applications. This is due to advancements in electrode materials and cell design, among other things. Military vehicles with a lot of electronics demand a lot of electrical power, which is projected to limit battery capacity because capacity decreases at greater discharge rates. Future generations of military land vehicles are also expected to profit from the usage of similar batteries to ensure fleet compatibility and upgradeability. Li-ion batteries offer enormous prospects in battery technology in terms of improving silent watch endurance. When compared to lead-acid batteries, they have a higher specific energy, energy density, and cycle life. The Army Rapid Capabilities and Critical Technologies Office (RCCTO) awarded BAE Systems a contract worth USD 32.2 million in June 2020 to deliver two HED vehicles with upgraded engines, a replaced transmission electric drive motor, and the addition of lithium-ion batteries to power

onboard vehicle equipment. However, high cost of fuel cell electric vehicles may impede market growth over the forecast period of 2021-2027.

The regional analysis of the global Military Vehicle Electrification Market is considered for the key regions such as Asia Pacific, North America, Europe, Latin America, and Rest of the World (ROW). North America is the leading region across the world in terms of market share due to increased defense related expenditure in the region. Whereas Asia Pacific is also anticipated to exhibit the highest growth rate over the forecast period 2021-2027, due to increasing focus on increasing expenditure on the procurement of military vehicles.

Major market player included in this report are:

General Motors  
General Dynamics  
Arquus  
Oshkosh Corporation  
BAE Systems  
Textron Systems  
Leonardo SPA  
Nikola Motor Company  
Qinetiq Group PLC  
Krauss-Maffei Wegmann

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and Platform offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Technology:

Hybrid  
Fully electric

By Platform:

Combat vehicles  
Support vehicles

Unmanned armored vehicles

By System:

Power Generation

Cooling Systems

Energy Storage

Traction Drive Systems

Power Conversion

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2018-2019

Base year – 2020

Forecast period – 2021 to 2027.

Target Audience of the Global Military Vehicle Electrification Market in Market Study:

Key Consulting Companies & Advisors  
Large, medium-sized, and small enterprises  
Venture capitalists  
Value-Added Resellers (VARs)  
Third-party knowledge providers  
Investment bankers  
Investors

## Contents

### CHAPTER 1. EXECUTIVE SUMMARY

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2019-2027 (USD Billion)
  - 1.2.1. Military Vehicle Electrification Market , by Region, 2019-2027 (USD Billion)
  - 1.2.2. Military Vehicle Electrification Market , by Technology, 2019-2027 (USD Billion)
  - 1.2.3. Military Vehicle Electrification Market , by Platform, 2019-2027 (USD Billion)
  - 1.2.4. Military Vehicle Electrification Market , by System, 2019-2027 (USD Billion)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

### CHAPTER 2. GLOBAL MILITARY VEHICLE ELECTRIFICATION MARKET DEFINITION AND SCOPE

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
  - 2.2.1. Scope of the Study
  - 2.2.2. Industry Evolution
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

### CHAPTER 3. GLOBAL MILITARY VEHICLE ELECTRIFICATION MARKET DYNAMICS

- 3.1. Military Vehicle Electrification Market Impact Analysis (2019-2027)
  - 3.1.1. Market Drivers
    - 3.1.1.1. Rising requirement for electric power sources
    - 3.1.1.2. Increasing oil prices and emission regulations
  - 3.1.2. Market Restraint
    - 3.1.2.1. High cost of fuel cell electric vehicles
  - 3.1.3. Market Opportunities
    - 3.1.3.1. Development of hydrogen fuel cell-powered military vehicles

### CHAPTER 4. GLOBAL MILITARY VEHICLE ELECTRIFICATION MARKET INDUSTRY ANALYSIS

- 4.1. Porter's 5 Force Model
  - 4.1.1. Bargaining Power of Suppliers
  - 4.1.2. Bargaining Power of Buyers
  - 4.1.3. Threat of New Entrants
  - 4.1.4. Threat of Substitutes
  - 4.1.5. Competitive Rivalry
  - 4.1.6. Futuristic Approach to Porter's 5 Force Model (2018-2027)
- 4.2. PEST Analysis
  - 4.2.1. Political
  - 4.2.2. Economical
  - 4.2.3. Social
  - 4.2.4. Technological
- 4.3. Investment Adoption Model
- 4.4. Analyst Recommendation & Conclusion

## **CHAPTER 5. GLOBAL MILITARY VEHICLE ELECTRIFICATION MARKET , BY TECHNOLOGY**

- 5.1. Market Snapshot
- 5.2. Global Military Vehicle Electrification Market by Technology , Performance - Potential Analysis
- 5.3. Global Military Vehicle Electrification Market Estimates & Forecasts by Technology 2018-2027 (USD Billion)
- 5.4. Military Vehicle Electrification Market , Sub Segment Analysis
  - 5.4.1. Hybrid
  - 5.4.2. Fully electric

## **CHAPTER 6. GLOBAL MILITARY VEHICLE ELECTRIFICATION MARKET , BY PLATFORM**

- 6.1. Market Snapshot
- 6.2. Global Military Vehicle Electrification Market by Platform, Performance - Potential Analysis
- 6.3. Global Military Vehicle Electrification Market Estimates & Forecasts by Platform 2018-2027 (USD Billion)
- 6.4. Military Vehicle Electrification Market , Sub Segment Analysis
  - 6.4.1. Combat vehicles
  - 6.4.2. Support vehicles
  - 6.4.3. Unmanned armored vehicles

## **CHAPTER 7. GLOBAL MILITARY VEHICLE ELECTRIFICATION MARKET , BY SYSTEM**

- 7.1. Market Snapshot
- 7.2. Global Military Vehicle Electrification Market by System, Performance - Potential Analysis
- 7.3. Global Military Vehicle Electrification Market Estimates & Forecasts by System 2018-2027 (USD Billion)
- 7.4. Military Vehicle Electrification Market , Sub Segment Analysis
  - 7.4.1. Power Generation
  - 7.4.2. Cooling Systems
  - 7.4.3. Energy Storage
  - 7.4.4. Traction Drive Systems
  - 7.4.5. Power Conversion

## **CHAPTER 8. GLOBAL MILITARY VEHICLE ELECTRIFICATION MARKET , REGIONAL ANALYSIS**

- 8.1. Military Vehicle Electrification Market , Regional Market Snapshot
- 8.2. North America Military Vehicle Electrification Market
  - 8.2.1. U.S. Military Vehicle Electrification Market
    - 8.2.1.1. Technology breakdown estimates & forecasts, 2018-2027
    - 8.2.1.2. Platform breakdown estimates & forecasts, 2018-2027
    - 8.2.1.3. System breakdown estimates & forecasts, 2018-2027
  - 8.2.2. Canada Military Vehicle Electrification Market
- 8.3. Europe Military Vehicle Electrification Market Snapshot
  - 8.3.1. U.K. Military Vehicle Electrification Market
  - 8.3.2. Germany Military Vehicle Electrification Market
  - 8.3.3. France Military Vehicle Electrification Market
  - 8.3.4. Spain Military Vehicle Electrification Market
  - 8.3.5. Italy Military Vehicle Electrification Market
  - 8.3.6. Rest of Europe Military Vehicle Electrification Market
- 8.4. Asia-Pacific Military Vehicle Electrification Market Snapshot
  - 8.4.1. China Military Vehicle Electrification Market
  - 8.4.2. India Military Vehicle Electrification Market
  - 8.4.3. Japan Military Vehicle Electrification Market
  - 8.4.4. Australia Military Vehicle Electrification Market
  - 8.4.5. South Korea Military Vehicle Electrification Market

- 8.4.6. Rest of Asia Pacific Military Vehicle Electrification Market
- 8.5. Latin America Military Vehicle Electrification Market Snapshot
  - 8.5.1. Brazil Military Vehicle Electrification Market
  - 8.5.2. Mexico Military Vehicle Electrification Market
- 8.6. Rest of The World Military Vehicle Electrification Market

## **CHAPTER 9. COMPETITIVE INTELLIGENCE**

- 9.1. Top Market Strategies
- 9.2. Company Profiles
  - 9.2.1. General Motors
    - 9.2.1.1. Key Information
    - 9.2.1.2. Overview
    - 9.2.1.3. Financial (Subject to Data Availability)
    - 9.2.1.4. Platform Summary
    - 9.2.1.5. Recent Developments
  - 9.2.2. General Dynamics
  - 9.2.3. Arquus
  - 9.2.4. Oshkosh Corporation
  - 9.2.5. BAE Systems
  - 9.2.6. Textron Systems
  - 9.2.7. LEONARDO SPA
  - 9.2.8. NIKOLA MOTOR COMPANY
  - 9.2.9. QINETIQ GROUP PLC
  - 9.2.10. KRAUSS-MAFFEI WEGMANN

## **CHAPTER 10. RESEARCH PLATFORM**

- 10.1. Research Platform
  - 10.1.1. Data Mining
  - 10.1.2. Analysis
  - 10.1.3. Market Estimation
  - 10.1.4. Validation
  - 10.1.5. Publishing
- 10.2. Research Attributes
- 10.3. Research Assumption



## List Of Tables

### LIST OF TABLES

TABLE 1. Global Military Vehicle Electrification Market , report scope

TABLE 2. Global Military Vehicle Electrification Market estimates & forecasts by region 2018-2027 (USD Billion)

TABLE 3. Global Military Vehicle Electrification Market estimates & forecasts by Technology 2018-2027 (USD Billion)

TABLE 4. Global Military Vehicle Electrification Market estimates & forecasts by Platform 2018-2027 (USD Billion)

TABLE 5. Global Military Vehicle Electrification Market estimates & forecasts by System 2018-2027 (USD Billion)

TABLE 6. Global Military Vehicle Electrification Market by segment, estimates & forecasts, 2018-2027 (USD Billion)

TABLE 7. Global Military Vehicle Electrification Market by region, estimates & forecasts, 2018-2027 (USD Billion)

TABLE 8. Global Military Vehicle Electrification Market by segment, estimates & forecasts, 2018-2027 (USD Billion)

TABLE 9. Global Military Vehicle Electrification Market by region, estimates & forecasts, 2018-2027 (USD Billion)

TABLE 10. Global Military Vehicle Electrification Market by segment, estimates & forecasts, 2018-2027 (USD Billion)

TABLE 11. Global Military Vehicle Electrification Market by region, estimates & forecasts, 2018-2027 (USD Billion)

TABLE 12. Global Military Vehicle Electrification Market by segment, estimates & forecasts, 2018-2027 (USD Billion)

TABLE 13. Global Military Vehicle Electrification Market by region, estimates & forecasts, 2018-2027 (USD Billion)

TABLE 14. Global Military Vehicle Electrification Market by segment, estimates & forecasts, 2018-2027 (USD Billion)

TABLE 15. Global Military Vehicle Electrification Market by region, estimates & forecasts, 2018-2027 (USD Billion)

TABLE 16. Global Military Vehicle Electrification Market by segment, estimates & forecasts, 2018-2027 (USD Billion)

TABLE 17. Global Military Vehicle Electrification Market by region, estimates & forecasts, 2018-2027 (USD Billion)

TABLE 18. Global Military Vehicle Electrification Market by segment, estimates & forecasts, 2018-2027 (USD Billion)

TABLE 19. Global Military Vehicle Electrification Market by region, estimates & forecasts, 2018-2027 (USD Billion)

TABLE 20. Global Military Vehicle Electrification Market by segment, estimates & forecasts, 2018-2027 (USD Billion)

TABLE 21. Global Military Vehicle Electrification Market by region, estimates & forecasts, 2018-2027 (USD Billion)

TABLE 22. U.S. Military Vehicle Electrification Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 23. U.S. Military Vehicle Electrification Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 24. U.S. Military Vehicle Electrification Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 25. Canada Military Vehicle Electrification Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 26. Canada Military Vehicle Electrification Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 27. Canada Military Vehicle Electrification Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 28. UK Military Vehicle Electrification Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 29. UK Military Vehicle Electrification Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 30. UK Military Vehicle Electrification Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 31. Germany Military Vehicle Electrification Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 32. Germany Military Vehicle Electrification Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 33. Germany Military Vehicle Electrification Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 34. France Military Vehicle Electrification Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 35. France Military Vehicle Electrification Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 36. France Military Vehicle Electrification Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 37. Spain Military Vehicle Electrification Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 38. Spain Military Vehicle Electrification Market estimates & forecasts by

segment 2018-2027 (USD Billion)

TABLE 39. Spain Military Vehicle Electrification Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 40. Italy Military Vehicle Electrification Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 41. Italy Military Vehicle Electrification Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 42. Italy Military Vehicle Electrification Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 43. ROE Military Vehicle Electrification Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 44. ROE Military Vehicle Electrification Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 45. ROE Military Vehicle Electrification Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 46. China Military Vehicle Electrification Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 47. China Military Vehicle Electrification Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 48. China Military Vehicle Electrification Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 49. India Military Vehicle Electrification Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 50. India Military Vehicle Electrification Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 51. India Military Vehicle Electrification Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 52. Japan Military Vehicle Electrification Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 53. Japan Military Vehicle Electrification Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 54. Japan Military Vehicle Electrification Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 55. Australia Military Vehicle Electrification Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 56. Australia Military Vehicle Electrification Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 57. Australia Military Vehicle Electrification Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 58. South Korea Military Vehicle Electrification Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 59. South Korea Military Vehicle Electrification Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 60. South Korea Military Vehicle Electrification Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 61. ROPAC Military Vehicle Electrification Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 62. ROPAC Military Vehicle Electrification Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 63. ROPAC Military Vehicle Electrification Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 64. Brazil Military Vehicle Electrification Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 65. Brazil Military Vehicle Electrification Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 66. Brazil Military Vehicle Electrification Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 67. Mexico Military Vehicle Electrification Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 68. Mexico Military Vehicle Electrification Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 69. Mexico Military Vehicle Electrification Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 70. ROLA Military Vehicle Electrification Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 71. ROLA Military Vehicle Electrification Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 72. ROLA Military Vehicle Electrification Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 73. ROW Military Vehicle Electrification Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 74. ROW Military Vehicle Electrification Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 75. ROW Military Vehicle Electrification Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 76. List of secondary sources used in the study of global Military Vehicle Electrification Market .

TABLE 77. List of primary sources used in the study of global Military Vehicle

Electrification Market .

TABLE 78. Years considered for the study.

TABLE 79. Exchange rates considered.

## List Of Figures

### LIST OF FIGURES

- FIG 1. Global Military Vehicle Electrification Market , research methodology
- FIG 2. Global Military Vehicle Electrification Market , market estimation techniques
- FIG 3. Global market size estimates & forecast methods
- FIG 4. Global Military Vehicle Electrification Market , key trends 2019
- FIG 5. Global Military Vehicle Electrification Market , growth prospects 2020-2027
- FIG 6. Global Military Vehicle Electrification Market , porters 5 force model
- FIG 7. Global Military Vehicle Electrification Market , pest analysis
- FIG 8. Global Military Vehicle Electrification Market , value chain analysis
- FIG 9. Global Military Vehicle Electrification Market by segment, 2018 & 2027 (USD Billion)
- FIG 10. Global Military Vehicle Electrification Market by segment, 2018 & 2027 (USD Billion)
- FIG 11. Global Military Vehicle Electrification Market by segment, 2018 & 2027 (USD Billion)
- FIG 12. Global Military Vehicle Electrification Market by segment, 2018 & 2027 (USD Billion)
- FIG 13. Global Military Vehicle Electrification Market by segment, 2018 & 2027 (USD Billion)
- FIG 14. Global Military Vehicle Electrification Market by segment, 2018 & 2027 (USD Billion)
- FIG 15. Global Military Vehicle Electrification Market by segment, 2018 & 2027 (USD Billion)
- FIG 16. Global Military Vehicle Electrification Market by segment, 2018 & 2027 (USD Billion)
- FIG 17. Global Military Vehicle Electrification Market , regional snapshot 2018 & 2027
- FIG 18. North America Military Vehicle Electrification Market 2018 & 2027 (USD Billion)
- FIG 19. Europe Military Vehicle Electrification Market 2018 & 2027 (USD Billion)
- FIG 20. Asia-Pacific Military Vehicle Electrification Market 2018 & 2027 (USD Billion)
- FIG 21. Latin America Military Vehicle Electrification Market 2018 & 2027 (USD Billion)
- FIG 22. Global Military Vehicle Electrification Market , company market share analysis (2019)



## I would like to order

Product name: Global Military Vehicle Electrification Market Size study, by Technology (Hybrid, Fully electric), by Platform (Combat vehicles, Support vehicles, Unmanned armored vehicles), by System( Power Generation, Cooling Systems, Energy Storage, Traction Drive Systems, Power Conversion)and Regional Forecasts 2021-2027

Product link: <https://marketpublishers.com/r/G1435E54E567EN.html>

Price: US\$ 3,218.00 (Single User License / Electronic Delivery)

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

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G1435E54E567EN.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