

Global Embedded Systems in Automobile Market Size study, by Type (Hardware, Software), by Component (Sensors, Microcontrollers (MCU), Transceivers, Memory Devices), by Vehicle Type (Passenger Cars, Commercial Vehicles, Electric Vehicles), by Application (Infotainment & Telematics, Body Electronics, Powertrain & Chassis Control, Safety & Security) and Regional Forecasts 2020-2027

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Abstracts

Global Embedded Systems in Automobile Market is valued approximately at USD 6.1 billion in 2019 and is anticipated to grow with a healthy growth rate of more than 7.6% over the forecast period 2020-2027. Recently, most of the electronic devices usually rely on embedded systems. Embedded system is a type of computer system with a steadfast function within a large electrical or mechanical system, often with real-time processing constraints. Nowadays, mechanical systems in automobiles have widely been substituted by electronic systems, which has increased the usage for embedded system since it can assist in system monitoring, pollution control, etc. Embedded system has gained overall control of automobiles varying from wiper control to complicated airbags and anti-brake control. Further, the use of embedded systems has a prominent role in the automotive sector due to its versatility, as well as flexibility, which is creating the high growth of the market all over the world. An increase in the production of electric vehicles, rising vehicle electrification and modernization in the automotive sector, and the advent of autonomous vehicles are the few factors responsible for the CAGR of the market during the forecast period. According to the Edison Electric Institute (EEI), in Q1 2018, the electric vehicle (EV) sales around the world were recorded around 312,000 units, an increase of 58% as compared to Q1

2017 which holds almost 197,000 units. Similarly, as per the Bloomberg New Energy Finance (BNEF) report 2019, the global electric vehicle sale is expected to reach almost 54 million by the year 2040, which is about 32% of the world's passenger vehicles. This, in turn, is likely to strengthen the demand for embedded systems in automobiles, globally. However, the high cost of devices and shorter life span of electronic systems are the few factors impeding the market growth over the forecast period of 2020-2027.

The regional analysis of the global Embedded Systems in the Automobile market is considered for the key regions such as Asia Pacific, North America, Europe, Latin America, and the Rest of the World. North America is the leading/significant region across the world in terms of market share owing to the rising production of passenger cars and electric vehicles, along with the large presence of market players in the region. Whereas Asia-Pacific is also anticipated to exhibit the highest growth rate / CAGR over the forecast period 2020-2027. Factors such as the rise in penetration of autonomous vehicles and changing customer taste & preference in the developing nations, such as China and India, are the few factors creating a lucrative opportunity for the growth of the cancer vaccine market in the Asia-Pacific region.

Major market player included in this report are:

Robert Bosch

Panasonic Corp.

Toshiba Corporation

Continental AG

Denso Corporation

Mitsubishi Electric Corporation

Aptiv PLC

Texas Instruments Inc.

Infineon Technologies AG

Harman International Industries, Inc.

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 product offerings of key

players. The detailed segments and sub-segment of the market are explained below:

By Type:

Hardware

Software

By Component:

Sensors

Microcontrollers (MCU)

Transceivers

Memory Devices

By Vehicle Type:

Passenger Cars

Commercial Vehicles

Electric Vehicles

By Application:

Infotainment & Telematics

Body Electronics

Powertrain & Chassis Control

Safety & Security

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 – 2017, 2018
Base year – 2019
Forecast period – 2020 to 2027

Target Audience of the Global Embedded Systems in Automobile 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, 2018-2027 (USD Billion)
 - 1.2.1. Embedded Systems in Automobile Market, by Region, 2018-2027 (USD Billion)
 - 1.2.2. Embedded Systems in Automobile Market, by Type, 2018-2027 (USD Billion)
 - 1.2.3. Embedded Systems in Automobile Market, by Component, 2018-2027 (USD Billion)
 - 1.2.4. Embedded Systems in Automobile Market, by Vehicle Type, 2018-2027 (USD Billion)
 - 1.2.5. Embedded Systems in Automobile Market, by Application, 2018-2027 (USD Billion)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

CHAPTER 2. GLOBAL EMBEDDED SYSTEMS IN AUTOMOBILE 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 EMBEDDED SYSTEMS IN AUTOMOBILE MARKET DYNAMICS

- 3.1. Embedded Systems in Automobile Market Impact Analysis (2018-2027)
 - 3.1.1. Market Drivers
 - 3.1.2. Market Challenges
 - 3.1.3. Market Opportunities

CHAPTER 4. GLOBAL EMBEDDED SYSTEMS IN AUTOMOBILE 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 (2017-2027)
- 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 EMBEDDED SYSTEMS IN AUTOMOBILE MARKET, BY TYPE

- 5.1. Market Snapshot
- 5.2. Global Embedded Systems in Automobile Market by Type, Performance - Potential Analysis
- 5.3. Global Embedded Systems in Automobile Market Estimates & Forecasts by Type 2017-2027 (USD Billion)
- 5.4. Embedded Systems in Automobile Market, Sub Segment Analysis
 - 5.4.1. Hardware
 - 5.4.2. Software

CHAPTER 6. GLOBAL EMBEDDED SYSTEMS IN AUTOMOBILE MARKET, BY COMPONENT

- 6.1. Market Snapshot
- 6.2. Global Embedded Systems in Automobile Market by Component, Performance - Potential Analysis
- 6.3. Global Embedded Systems in Automobile Market Estimates & Forecasts by Component 2017-2027 (USD Billion)
- 6.4. Embedded Systems in Automobile Market, Sub Segment Analysis
 - 6.4.1. Sensors
 - 6.4.2. Microcontrollers (MCU)
 - 6.4.3. Transceivers

6.4.4. Memory Devices

CHAPTER 7. GLOBAL EMBEDDED SYSTEMS IN AUTOMOBILE MARKET, BY VEHICLE TYPE

7.1. Market Snapshot

7.2. Global Embedded Systems in Automobile Market by Vehicle Type, Performance - Potential Analysis

7.3. Global Embedded Systems in Automobile Market Estimates & Forecasts by Vehicle Type 2017-2027 (USD Billion)

7.4. Embedded Systems in Automobile Market, Sub Segment Analysis

7.4.1. Passenger Cars

7.4.2. Commercial Vehicles

7.4.3. Electric Vehicles

CHAPTER 8. GLOBAL EMBEDDED SYSTEMS IN AUTOMOBILE MARKET, BY APPLICATION

8.1. Market Snapshot

8.2. Global Embedded Systems in Automobile Market by Application - Potential Analysis

8.3. Global Embedded Systems in Automobile Market Estimates & Forecasts by Application 2017-2027 (USD Billion)

8.4. Embedded Systems in Automobile Market, Sub Segment Analysis

8.4.1. Infotainment & Telematics

8.4.2. Body Electronics

8.4.3. Powertrain & Chassis Control

8.4.4. Safety & Security

CHAPTER 9. GLOBAL EMBEDDED SYSTEMS IN AUTOMOBILE MARKET, REGIONAL ANALYSIS

9.1. Embedded Systems in Automobile Market, Regional Market Snapshot

9.2. North America Embedded Systems in Automobile Market

9.2.1. U.S. Embedded Systems in Automobile Market

9.2.1.1. Type breakdown estimates & forecasts, 2017-2027

9.2.1.2. Component breakdown estimates & forecasts, 2017-2027

9.2.1.3. Vehicle Type breakdown estimates & forecasts, 2017-2027

9.2.1.4. Application breakdown estimates & forecasts, 2017-2027

- 9.2.2. Canada Embedded Systems in Automobile Market
- 9.3. Europe Embedded Systems in Automobile Market Snapshot
 - 9.3.1. U.K. Embedded Systems in Automobile Market
 - 9.3.2. Germany Embedded Systems in Automobile Market
 - 9.3.3. France Embedded Systems in Automobile Market
 - 9.3.4. Spain Embedded Systems in Automobile Market
 - 9.3.5. Italy Embedded Systems in Automobile Market
 - 9.3.6. Rest of Europe Embedded Systems in Automobile Market
- 9.4. Asia-Pacific Embedded Systems in Automobile Market Snapshot
 - 9.4.1. China Embedded Systems in Automobile Market
 - 9.4.2. India Embedded Systems in Automobile Market
 - 9.4.3. Japan Embedded Systems in Automobile Market
 - 9.4.4. Australia Embedded Systems in Automobile Market
 - 9.4.5. South Korea Embedded Systems in Automobile Market
 - 9.4.6. Rest of Asia Pacific Embedded Systems in Automobile Market
- 9.5. Latin America Embedded Systems in Automobile Market Snapshot
 - 9.5.1. Brazil Embedded Systems in Automobile Market
 - 9.5.2. Mexico Embedded Systems in Automobile Market
- 9.6. Rest of The World Embedded Systems in Automobile Market

CHAPTER 10. COMPETITIVE INTELLIGENCE

- 10.1. Top Market Strategies
- 10.2. Company Profiles
 - 10.2.1. Robert Bosch
 - 10.2.1.1. Key Information
 - 10.2.1.2. Overview
 - 10.2.1.3. Financial (Subject to Data Availability)
 - 10.2.1.4. Product Summary
 - 10.2.1.5. Recent Developments
 - 10.2.2. Panasonic Corp.
 - 10.2.3. Toshiba Corporation
 - 10.2.4. Continental AG
 - 10.2.5. Denso Corporation
 - 10.2.6. Mitsubishi Electric Corporation
 - 10.2.7. Aptiv PLC
 - 10.2.8. Texas Instruments Inc.
 - 10.2.9. Infineon Technologies AG
 - 10.2.10. Harman International Industries, Inc.

CHAPTER 11. RESEARCH PROCESS

11.1. Research Process

11.1.1. Data Mining

11.1.2. Analysis

11.1.3. Market Estimation

11.1.4. Validation

11.1.5. Publishing

11.2. Research Attributes

11.3. Research Assumption

List Of Tables

LIST OF TABLES

TABLE 1. Global Embedded Systems in Automobile market, report scope

TABLE 2. Global Embedded Systems in Automobile market estimates & forecasts by region 2017-2027 (USD Billion)

TABLE 3. Global Embedded Systems in Automobile market estimates & forecasts by Type 2017-2027 (USD Billion)

TABLE 4. Global Embedded Systems in Automobile market estimates & forecasts by Component 2017-2027 (USD Billion)

TABLE 5. Global Embedded Systems in Automobile market estimates & forecasts by Vehicle Type 2017-2027 (USD Billion)

TABLE 6. Global Embedded Systems in Automobile market estimates & forecasts by Application 2017-2027 (USD Billion)

TABLE 7. Global Embedded Systems in Automobile market by segment, estimates & forecasts, 2017-2027 (USD Billion)

TABLE 8. Global Embedded Systems in Automobile market by region, estimates & forecasts, 2017-2027 (USD Billion)

TABLE 9. Global Embedded Systems in Automobile market by segment, estimates & forecasts, 2017-2027 (USD Billion)

TABLE 10. Global Embedded Systems in Automobile market by region, estimates & forecasts, 2017-2027 (USD Billion)

TABLE 11. Global Embedded Systems in Automobile market by segment, estimates & forecasts, 2017-2027 (USD Billion)

TABLE 12. Global Embedded Systems in Automobile market by region, estimates & forecasts, 2017-2027 (USD Billion)

TABLE 13. Global Embedded Systems in Automobile market by segment, estimates & forecasts, 2017-2027 (USD Billion)

TABLE 14. Global Embedded Systems in Automobile market by region, estimates & forecasts, 2017-2027 (USD Billion)

TABLE 15. Global Embedded Systems in Automobile market by segment, estimates & forecasts, 2017-2027 (USD Billion)

TABLE 16. Global Embedded Systems in Automobile market by region, estimates & forecasts, 2017-2027 (USD Billion)

TABLE 17. Global Embedded Systems in Automobile market by segment, estimates & forecasts, 2017-2027 (USD Billion)

TABLE 18. Global Embedded Systems in Automobile market by region, estimates & forecasts, 2017-2027 (USD Billion)

TABLE 19. Global Embedded Systems in Automobile market by segment, estimates & forecasts, 2017-2027 (USD Billion)

TABLE 20. Global Embedded Systems in Automobile market by region, estimates & forecasts, 2017-2027 (USD Billion)

TABLE 21. Global Embedded Systems in Automobile market by segment, estimates & forecasts, 2017-2027 (USD Billion)

TABLE 22. Global Embedded Systems in Automobile market by region, estimates & forecasts, 2017-2027 (USD Billion)

TABLE 23. U.S. Embedded Systems in Automobile market estimates & forecasts, 2017-2027 (USD Billion)

TABLE 24. U.S. Embedded Systems in Automobile market estimates & forecasts by segment 2017-2027 (USD Billion)

TABLE 25. U.S. Embedded Systems in Automobile market estimates & forecasts by segment 2017-2027 (USD Billion)

TABLE 26. Canada Embedded Systems in Automobile market estimates & forecasts, 2017-2027 (USD Billion)

TABLE 27. Canada Embedded Systems in Automobile market estimates & forecasts by segment 2017-2027 (USD Billion)

TABLE 28. Canada Embedded Systems in Automobile market estimates & forecasts by segment 2017-2027 (USD Billion)

TABLE 29. UK Embedded Systems in Automobile market estimates & forecasts, 2017-2027 (USD Billion)

TABLE 30. UK Embedded Systems in Automobile market estimates & forecasts by segment 2017-2027 (USD Billion)

TABLE 31. UK Embedded Systems in Automobile market estimates & forecasts by segment 2017-2027 (USD Billion)

TABLE 32. Germany Embedded Systems in Automobile market estimates & forecasts, 2017-2027 (USD Billion)

TABLE 33. Germany Embedded Systems in Automobile market estimates & forecasts by segment 2017-2027 (USD Billion)

TABLE 34. Germany Embedded Systems in Automobile market estimates & forecasts by segment 2017-2027 (USD Billion)

TABLE 35. France Embedded Systems in Automobile market estimates & forecasts, 2017-2027 (USD Billion)

TABLE 36. France Embedded Systems in Automobile market estimates & forecasts by segment 2017-2027 (USD Billion)

TABLE 37. France Embedded Systems in Automobile market estimates & forecasts by segment 2017-2027 (USD Billion)

TABLE 38. Spain Embedded Systems in Automobile market estimates & forecasts,

2017-2027 (USD Billion)

TABLE 39. Spain Embedded Systems in Automobile market estimates & forecasts by segment 2017-2027 (USD Billion)

TABLE 40. Spain Embedded Systems in Automobile market estimates & forecasts by segment 2017-2027 (USD Billion)

TABLE 41. Italy Embedded Systems in Automobile market estimates & forecasts, 2017-2027 (USD Billion)

TABLE 42. Italy Embedded Systems in Automobile market estimates & forecasts by segment 2017-2027 (USD Billion)

TABLE 43. Italy Embedded Systems in Automobile market estimates & forecasts by segment 2017-2027 (USD Billion)

TABLE 44. ROE Embedded Systems in Automobile market estimates & forecasts, 2017-2027 (USD Billion)

TABLE 45. ROE Embedded Systems in Automobile market estimates & forecasts by segment 2017-2027 (USD Billion)

TABLE 46. ROE Embedded Systems in Automobile market estimates & forecasts by segment 2017-2027 (USD Billion)

TABLE 47. China Embedded Systems in Automobile market estimates & forecasts, 2017-2027 (USD Billion)

TABLE 48. China Embedded Systems in Automobile market estimates & forecasts by segment 2017-2027 (USD Billion)

TABLE 49. China Embedded Systems in Automobile market estimates & forecasts by segment 2017-2027 (USD Billion)

TABLE 50. India Embedded Systems in Automobile market estimates & forecasts, 2017-2027 (USD Billion)

TABLE 51. India Embedded Systems in Automobile market estimates & forecasts by segment 2017-2027 (USD Billion)

TABLE 52. India Embedded Systems in Automobile market estimates & forecasts by segment 2017-2027 (USD Billion)

TABLE 53. Japan Embedded Systems in Automobile market estimates & forecasts, 2017-2027 (USD Billion)

TABLE 54. Japan Embedded Systems in Automobile market estimates & forecasts by segment 2017-2027 (USD Billion)

TABLE 55. Japan Embedded Systems in Automobile market estimates & forecasts by segment 2017-2027 (USD Billion)

TABLE 56. Australia Embedded Systems in Automobile market estimates & forecasts, 2017-2027 (USD Billion)

TABLE 57. Australia Embedded Systems in Automobile market estimates & forecasts by segment 2017-2027 (USD Billion)

TABLE 58. Australia Embedded Systems in Automobile market estimates & forecasts by segment 2017-2027 (USD Billion)

TABLE 59. South Korea Embedded Systems in Automobile market estimates & forecasts, 2017-2027 (USD Billion)

TABLE 60. South Korea Embedded Systems in Automobile market estimates & forecasts by segment 2017-2027 (USD Billion)

TABLE 61. South Korea Embedded Systems in Automobile market estimates & forecasts by segment 2017-2027 (USD Billion)

TABLE 62. ROPAC Embedded Systems in Automobile market estimates & forecasts, 2017-2027 (USD Billion)

TABLE 63. ROPAC Embedded Systems in Automobile market estimates & forecasts by segment 2017-2027 (USD Billion)

TABLE 64. ROPAC Embedded Systems in Automobile market estimates & forecasts by segment 2017-2027 (USD Billion)

TABLE 65. Brazil Embedded Systems in Automobile market estimates & forecasts, 2017-2027 (USD Billion)

TABLE 66. Brazil Embedded Systems in Automobile market estimates & forecasts by segment 2017-2027 (USD Billion)

TABLE 67. Brazil Embedded Systems in Automobile market estimates & forecasts by segment 2017-2027 (USD Billion)

TABLE 68. Mexico Embedded Systems in Automobile market estimates & forecasts, 2017-2027 (USD Billion)

TABLE 69. Mexico Embedded Systems in Automobile market estimates & forecasts by segment 2017-2027 (USD Billion)

TABLE 70. Mexico Embedded Systems in Automobile market estimates & forecasts by segment 2017-2027 (USD Billion)

TABLE 71. ROLA Embedded Systems in Automobile market estimates & forecasts, 2017-2027 (USD Billion)

TABLE 72. ROLA Embedded Systems in Automobile market estimates & forecasts by segment 2017-2027 (USD Billion)

TABLE 73. ROLA Embedded Systems in Automobile market estimates & forecasts by segment 2017-2027 (USD Billion)

TABLE 74. ROW Embedded Systems in Automobile market estimates & forecasts, 2017-2027 (USD Billion)

TABLE 75. ROW Embedded Systems in Automobile market estimates & forecasts by segment 2017-2027 (USD Billion)

TABLE 76. ROW Embedded Systems in Automobile market estimates & forecasts by segment 2017-2027 (USD Billion)

TABLE 77. List of secondary sources, used in the study of global Embedded Systems in

Automobile market

TABLE 78. List of primary sources, used in the study of global Embedded Systems in Automobile market

TABLE 79. Years considered for the study

TABLE 80. Exchange rates considered

List Of Figures

LIST OF FIGURES

FIG 1. Global Embedded Systems in Automobile market, research methodology

FIG 2. Global Embedded Systems in Automobile market, market estimation techniques

FIG 3. Global market size estimates & forecast methods

FIG 4. Global Embedded Systems in Automobile market, key trends 2019

FIG 5. Global Embedded Systems in Automobile market, growth prospects 2020-2027

FIG 6. Global Embedded Systems in Automobile market, porters 5 force model

FIG 7. Global Embedded Systems in Automobile market, pest analysis

FIG 8. Global Embedded Systems in Automobile market, value chain analysis

FIG 9. Global Embedded Systems in Automobile market by segment, 2017 & 2027

(USD Billion)

FIG 10. Global Embedded Systems in Automobile market by segment, 2017 & 2027

(USD Billion)

FIG 11. Global Embedded Systems in Automobile market by segment, 2017 & 2027

(USD Billion)

FIG 12. Global Embedded Systems in Automobile market by segment, 2017 & 2027

(USD Billion)

FIG 13. Global Embedded Systems in Automobile market by segment, 2017 & 2027

(USD Billion)

FIG 14. Global Embedded Systems in Automobile market by segment, 2017 & 2027

(USD Billion)

FIG 15. Global Embedded Systems in Automobile market by segment, 2017 & 2027

(USD Billion)

FIG 16. Global Embedded Systems in Automobile market by segment, 2017 & 2027

(USD Billion)

FIG 17. Global Embedded Systems in Automobile market, regional snapshot 2017 & 2027

FIG 18. North America Embedded Systems in Automobile market 2017 & 2027 (USD Billion)

FIG 19. Europe Embedded Systems in Automobile market 2017 & 2027 (USD Billion)

FIG 20. Asia-Pacific Embedded Systems in Automobile market 2017 & 2027 (USD Billion)

FIG 21. Latin America Embedded Systems in Automobile market 2017 & 2027 (USD Billion)

FIG 22. Global Embedded Systems in Automobile market, company market share analysis (2019)

COMPANIES MENTIONED

Robert Bosch
Panasonic Corp.
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Continental AG
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Mitsubishi Electric Corporation
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