

# Automotive Engineering Services Outsourcing Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2022-2027

https://marketpublishers.com/r/A3DFBF4F7E3EEN.html

Date: July 2022 Pages: 145 Price: US\$ 2,499.00 (Single User License) ID: A3DFBF4F7E3EEN

## **Abstracts**

The global automotive engineering services outsourcing market reached a value of US\$ 80.75 Billion in 2021. Looking forward, IMARC Group expects the market to reach a value of US\$ 221.79 Billion by 2027, exhibiting a CAGR of 17.60% during 2022-2027. Keeping in mind the uncertainties of COVID-19, we are continuously tracking and evaluating the direct as well as the indirect influence of the pandemic on different end use sectors. These insights are included in the report as a major market contributor.

Automotive engineering services outsourcing refers to the process of hiring various nonphysical engineering functions, such as design, prototyping, system integration, and testing, from an external source. They support a variety of capabilities, such as production, designing the parts of the vehicle, and safety testing. These services utilize various technological tools and mathematical models and are usually required at the early stages of the product design and development processes. Automotive engineering services outsourcing assists in reducing overall labor costs, increasing efficiency and flexibility, and reducing time. As a result, these services are widely employed in commercial, passenger, electric and hybrid vehicles (EVs/HVs).

### Automotive Engineering Services Outsourcing Market Trends:

Significant growth in the automotive industry across the globe is creating a positive outlook for the market. Automotive engineering services outsourcing helps in enhancing the overall efficiencies of the production processes and assists in producing automobile parts, dealing with a company's supply chain, and developing engineering aftermarket assistance. Moreover, the widespread utilization of engineering systems, such as computer-aided engineering (CAE) and computer-aided design (CAD) software that assists in advanced surfacing and handling aesthetic issues, are favoring the market



growth. Apart from this, various advancements in technology, such as the integration of the Internet of Things (IoT), robotics and artificial intelligence (AI) solutions for improving modeling and detailing of products, are providing an impetus to the market growth. Additionally, the introduction of highly complex designs with the production of energy-efficient and environmentally sustainable vehicle is positively impacting the market growth. Other factors, including increasing automation and adoption of integrated solutions, extensive research and development (R&D) activities, and the implementation of various government initiatives supporting the development of EVs and HVs, are anticipated to drive the market toward growth.

#### Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global automotive engineering services outsourcing market, along with forecasts at the global, regional and country level from 2022-2027. Our report has categorized the market based on service, vehicle type, location type and application.

Breakup by Service:

Designing Prototyping System Integration Testing Others

Breakup by Vehicle Type:

Passenger Vehicles Commercial Vehicles

Breakup by Location Type:

On-shore Off-shore

Breakup by Application:

Autonomous Driving/ADAS Body and Chassis Powertrain and After-treatment



Infotainment and Connectivity Others

Breakup by Region:

North America United States Canada Asia-Pacific China Japan India South Korea Australia Indonesia Others Europe Germany France United Kingdom Italy Spain Russia Others Latin America Brazil Mexico Others Middle East and Africa

#### Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Altair Engineering Inc., ALTEN Group, ASAP Holding GmbH, AVL List GmbH, Bertrandt AG, Capgemini SE, EDAG Engineering Group AG, FEV Group GmbH, Horiba Ltd., IAV GmbH (Volkswagen AG), P3 group GmbH and RLE INTERNATIONAL Group.

Key Questions Answered in This Report: How has the global automotive engineering services outsourcing market performed so



far and how will it perform in the coming years?

What has been the impact of COVID-19 on the global automotive engineering services outsourcing market?

What are the key regional markets?

What is the breakup of the market based on the service?

What is the breakup of the market based on the vehicle type?

What is the breakup of the market based on the location type?

What is the breakup of the market based on the application?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the global automotive engineering services outsourcing market and who are the key players?

What is the degree of competition in the industry?



### Contents

#### **1 PREFACE**

#### **2 SCOPE AND METHODOLOGY**

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
- 2.3.1 Primary Sources
- 2.3.2 Secondary Sources
- 2.4 Market Estimation
- 2.4.1 Bottom-Up Approach
- 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

#### **3 EXECUTIVE SUMMARY**

#### **4 INTRODUCTION**

4.1 Overview

4.2 Key Industry Trends

#### **5 GLOBAL AUTOMOTIVE ENGINEERING SERVICES OUTSOURCING MARKET**

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

#### 6 MARKET BREAKUP BY SERVICE

- 6.1 Designing
  - 6.1.1 Market Trends
  - 6.1.2 Market Forecast
- 6.2 Prototyping
  - 6.2.1 Market Trends
  - 6.2.2 Market Forecast
- 6.3 System Integration



6.3.1 Market Trends
6.3.2 Market Forecast
6.4 Testing
6.4.1 Market Trends
6.4.2 Market Forecast
6.5 Others
6.5.1 Market Trends
6.5.2 Market Forecast

### 7 MARKET BREAKUP BY VEHICLE TYPE

7.1 Passenger Vehicles

- 7.1.1 Market Trends
- 7.1.2 Market Forecast
- 7.2 Commercial Vehicles
  - 7.2.1 Market Trends
  - 7.2.2 Market Forecast

#### **8 MARKET BREAKUP BY LOCATION TYPE**

- 8.1 On-shore
  - 8.1.1 Market Trends
  - 8.1.2 Market Forecast
- 8.2 Off-shore
  - 8.2.1 Market Trends
  - 8.2.2 Market Forecast

#### 9 MARKET BREAKUP BY APPLICATION

- 9.1 Autonomous Driving/ADAS
  - 9.1.1 Market Trends
  - 9.1.2 Market Forecast
- 9.2 Body and Chassis
  - 9.2.1 Market Trends
  - 9.2.2 Market Forecast
- 9.3 Powertrain and After-treatment
  - 9.3.1 Market Trends
  - 9.3.2 Market Forecast
- 9.4 Infotainment and Connectivity



9.4.1 Market Trends9.4.2 Market Forecast9.5 Others9.5.1 Market Trends9.5.2 Market Forecast

#### **10 MARKET BREAKUP BY REGION**

10.1 North America 10.1.1 United States 10.1.1.1 Market Trends 10.1.1.2 Market Forecast 10.1.2 Canada 10.1.2.1 Market Trends 10.1.2.2 Market Forecast 10.2 Asia-Pacific 10.2.1 China 10.2.1.1 Market Trends 10.2.1.2 Market Forecast 10.2.2 Japan 10.2.2.1 Market Trends 10.2.2.2 Market Forecast 10.2.3 India 10.2.3.1 Market Trends 10.2.3.2 Market Forecast 10.2.4 South Korea 10.2.4.1 Market Trends 10.2.4.2 Market Forecast 10.2.5 Australia 10.2.5.1 Market Trends 10.2.5.2 Market Forecast 10.2.6 Indonesia 10.2.6.1 Market Trends 10.2.6.2 Market Forecast 10.2.7 Others 10.2.7.1 Market Trends 10.2.7.2 Market Forecast 10.3 Europe 10.3.1 Germany



10.3.1.1 Market Trends 10.3.1.2 Market Forecast 10.3.2 France 10.3.2.1 Market Trends 10.3.2.2 Market Forecast 10.3.3 United Kingdom 10.3.3.1 Market Trends 10.3.3.2 Market Forecast 10.3.4 Italy 10.3.4.1 Market Trends 10.3.4.2 Market Forecast 10.3.5 Spain 10.3.5.1 Market Trends 10.3.5.2 Market Forecast 10.3.6 Russia 10.3.6.1 Market Trends 10.3.6.2 Market Forecast 10.3.7 Others 10.3.7.1 Market Trends 10.3.7.2 Market Forecast 10.4 Latin America 10.4.1 Brazil 10.4.1.1 Market Trends 10.4.1.2 Market Forecast 10.4.2 Mexico 10.4.2.1 Market Trends 10.4.2.2 Market Forecast 10.4.3 Others 10.4.3.1 Market Trends 10.4.3.2 Market Forecast 10.5 Middle East and Africa 10.5.1 Market Trends 10.5.2 Market Breakup by Country 10.5.3 Market Forecast

#### **11 SWOT ANALYSIS**

11.1 Overview11.2 Strengths



11.3 Weaknesses

- 11.4 Opportunities
- 11.5 Threats

#### **12 VALUE CHAIN ANALYSIS**

#### **13 PORTERS FIVE FORCES ANALYSIS**

- 13.1 Overview
- 13.2 Bargaining Power of Buyers
- 13.3 Bargaining Power of Suppliers
- 13.4 Degree of Competition
- 13.5 Threat of New Entrants
- 13.6 Threat of Substitutes

#### **14 PRICE ANALYSIS**

#### **15 COMPETITIVE LANDSCAPE**

15.1 Market Structure 15.2 Key Players 15.3 Profiles of Key Players 15.3.1 Altair Engineering Inc. 15.3.1.1 Company Overview 15.3.1.2 Product Portfolio 15.3.1.3 Financials 15.3.2 ALTEN Group 15.3.2.1 Company Overview 15.3.2.2 Product Portfolio 15.3.2.3 Financials 15.3.3 ASAP Holding GmbH 15.3.3.1 Company Overview 15.3.3.2 Product Portfolio 15.3.4 AVL List GmbH 15.3.4.1 Company Overview 15.3.4.2 Product Portfolio 15.3.5 Bertrandt AG 15.3.5.1 Company Overview 15.3.5.2 Product Portfolio



15.3.5.3 Financials

- 15.3.6 Capgemini SE
- 15.3.6.1 Company Overview
- 15.3.6.2 Product Portfolio
- 15.3.6.3 Financials
- 15.3.6.4 SWOT Analysis
- 15.3.7 EDAG Engineering Group AG
  - 15.3.7.1 Company Overview
  - 15.3.7.2 Product Portfolio
- 15.3.7.3 Financials
- 15.3.8 FEV Group GmbH
- 15.3.8.1 Company Overview
- 15.3.8.2 Product Portfolio
- 15.3.9 Horiba Ltd.
- 15.3.9.1 Company Overview
- 15.3.9.2 Product Portfolio
- 15.3.9.3 Financials
- 15.3.10 IAV GmbH (Volkswagen AG)
- 15.3.10.1 Company Overview
- 15.3.10.2 Product Portfolio
- 15.3.11 P3 group GmbH
- 15.3.11.1 Company Overview
- 15.3.11.2 Product Portfolio
- 15.3.12 RLE INTERNATIONAL Group
  - 15.3.12.1 Company Overview
- 15.3.12.2 Product Portfolio



# List Of Tables

#### LIST OF TABLES

Table 1: Global: Automotive Engineering Services Outsourcing Market: Key Industry Highlights, 2021 and 2027 Table 2: Global: Automotive Engineering Services Outsourcing Market Forecast: Breakup by Service (in Million US\$), 2022-2027 Table 3: Global: Automotive Engineering Services Outsourcing Market Forecast: Breakup by Vehicle Type (in Million US\$), 2022-2027 Table 4: Global: Automotive Engineering Services Outsourcing Market Forecast: Breakup by Location Type (in Million US\$), 2022-2027 Table 5: Global: Automotive Engineering Services Outsourcing Market Forecast: Breakup by Location Type (in Million US\$), 2022-2027 Table 5: Global: Automotive Engineering Services Outsourcing Market Forecast: Breakup by Application (in Million US\$), 2022-2027 Table 6: Global: Automotive Engineering Services Outsourcing Market Forecast: Breakup by Region (in Million US\$), 2022-2027 Table 7: Global: Automotive Engineering Services Outsourcing Market Forecast: Breakup by Region (in Million US\$), 2022-2027 Table 7: Global: Automotive Engineering Services Outsourcing Market: Competitive Structure Table 8: Global: Automotive Engineering Services Outsourcing Market: Key Players



# **List Of Figures**

#### **LIST OF FIGURES**

Figure 1: Global: Automotive Engineering Services Outsourcing Market: Major Drivers and Challenges

Figure 2: Global: Automotive Engineering Services Outsourcing Market: Sales Value (in Billion US\$), 2016-2021

Figure 3: Global: Automotive Engineering Services Outsourcing Market Forecast: Sales Value (in Billion US\$), 2022-2027

Figure 4: Global: Automotive Engineering Services Outsourcing Market: Breakup by Service (in %), 2021

Figure 5: Global: Automotive Engineering Services Outsourcing Market: Breakup by Vehicle Type (in %), 2021

Figure 6: Global: Automotive Engineering Services Outsourcing Market: Breakup by Location Type (in %), 2021

Figure 7: Global: Automotive Engineering Services Outsourcing Market: Breakup by Application (in %), 2021

Figure 8: Global: Automotive Engineering Services Outsourcing Market: Breakup by Region (in %), 2021

Figure 9: Global: Automotive Engineering Services Outsourcing (Designing) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 10: Global: Automotive Engineering Services Outsourcing (Designing) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 11: Global: Automotive Engineering Services Outsourcing (Prototyping) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 12: Global: Automotive Engineering Services Outsourcing (Prototyping) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 13: Global: Automotive Engineering Services Outsourcing (System Integration) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 14: Global: Automotive Engineering Services Outsourcing (System Integration) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 15: Global: Automotive Engineering Services Outsourcing (Testing) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 16: Global: Automotive Engineering Services Outsourcing (Testing) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 17: Global: Automotive Engineering Services Outsourcing (Others) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 18: Global: Automotive Engineering Services Outsourcing (Others) Market



Forecast: Sales Value (in Million US\$), 2022-2027 Figure 19: Global: Automotive Engineering Services Outsourcing (Passenger Vehicles) Market: Sales Value (in Million US\$), 2016 & 2021 Figure 20: Global: Automotive Engineering Services Outsourcing (Passenger Vehicles) Market Forecast: Sales Value (in Million US\$), 2022-2027 Figure 21: Global: Automotive Engineering Services Outsourcing (Commercial Vehicles) Market: Sales Value (in Million US\$), 2016 & 2021 Figure 22: Global: Automotive Engineering Services Outsourcing (Commercial Vehicles) Market Forecast: Sales Value (in Million US\$), 2022-2027 Figure 23: Global: Automotive Engineering Services Outsourcing (On-shore) Market: Sales Value (in Million US\$), 2016 & 2021 Figure 24: Global: Automotive Engineering Services Outsourcing (On-shore) Market Forecast: Sales Value (in Million US\$), 2022-2027 Figure 25: Global: Automotive Engineering Services Outsourcing (Off-shore) Market: Sales Value (in Million US\$), 2016 & 2021 Figure 26: Global: Automotive Engineering Services Outsourcing (Off-shore) Market Forecast: Sales Value (in Million US\$), 2022-2027 Figure 27: Global: Automotive Engineering Services Outsourcing (Autonomous Driving/ADAS) Market: Sales Value (in Million US\$), 2016 & 2021 Figure 28: Global: Automotive Engineering Services Outsourcing (Autonomous Driving/ADAS) Market Forecast: Sales Value (in Million US\$), 2022-2027 Figure 29: Global: Automotive Engineering Services Outsourcing (Body and Chassis) Market: Sales Value (in Million US\$), 2016 & 2021 Figure 30: Global: Automotive Engineering Services Outsourcing (Body and Chassis) Market Forecast: Sales Value (in Million US\$), 2022-2027 Figure 31: Global: Automotive Engineering Services Outsourcing (Powertrain and Aftertreatment) Market: Sales Value (in Million US\$), 2016 & 2021 Figure 32: Global: Automotive Engineering Services Outsourcing (Powertrain and Aftertreatment) Market Forecast: Sales Value (in Million US\$), 2022-2027 Figure 33: Global: Automotive Engineering Services Outsourcing (Infotainment and Connectivity) Market: Sales Value (in Million US\$), 2016 & 2021 Figure 34: Global: Automotive Engineering Services Outsourcing (Infotainment and Connectivity) Market Forecast: Sales Value (in Million US\$), 2022-2027 Figure 35: Global: Automotive Engineering Services Outsourcing (Other Applications) Market: Sales Value (in Million US\$), 2016 & 2021 Figure 36: Global: Automotive Engineering Services Outsourcing (Other Applications) Market Forecast: Sales Value (in Million US\$), 2022-2027 Figure 37: North America: Automotive Engineering Services Outsourcing Market: Sales Value (in Million US\$), 2016 & 2021



Figure 38: North America: Automotive Engineering Services Outsourcing Market Forecast: Sales Value (in Million US\$), 2022-2027 Figure 39: United States: Automotive Engineering Services Outsourcing Market: Sales Value (in Million US\$), 2016 & 2021 Figure 40: United States: Automotive Engineering Services Outsourcing Market Forecast: Sales Value (in Million US\$), 2022-2027 Figure 41: Canada: Automotive Engineering Services Outsourcing Market: Sales Value (in Million US\$), 2016 & 2021 Figure 42: Canada: Automotive Engineering Services Outsourcing Market Forecast: Sales Value (in Million US\$), 2022-2027 Figure 43: Asia-Pacific: Automotive Engineering Services Outsourcing Market: Sales Value (in Million US\$), 2016 & 2021 Figure 44: Asia-Pacific: Automotive Engineering Services Outsourcing Market Forecast: Sales Value (in Million US\$), 2022-2027 Figure 45: China: Automotive Engineering Services Outsourcing Market: Sales Value (in Million US\$), 2016 & 2021 Figure 46: China: Automotive Engineering Services Outsourcing Market Forecast: Sales Value (in Million US\$), 2022-2027 Figure 47: Japan: Automotive Engineering Services Outsourcing Market: Sales Value (in Million US\$), 2016 & 2021 Figure 48: Japan: Automotive Engineering Services Outsourcing Market Forecast: Sales Value (in Million US\$), 2022-2027 Figure 49: India: Automotive Engineering Services Outsourcing Market: Sales Value (in Million US\$), 2016 & 2021 Figure 50: India: Automotive Engineering Services Outsourcing Market Forecast: Sales Value (in Million US\$), 2022-2027 Figure 51: South Korea: Automotive Engineering Services Outsourcing Market: Sales Value (in Million US\$), 2016 & 2021 Figure 52: South Korea: Automotive Engineering Services Outsourcing Market Forecast: Sales Value (in Million US\$), 2022-2027 Figure 53: Australia: Automotive Engineering Services Outsourcing Market: Sales Value (in Million US\$), 2016 & 2021 Figure 54: Australia: Automotive Engineering Services Outsourcing Market Forecast: Sales Value (in Million US\$), 2022-2027 Figure 55: Indonesia: Automotive Engineering Services Outsourcing Market: Sales Value (in Million US\$), 2016 & 2021 Figure 56: Indonesia: Automotive Engineering Services Outsourcing Market Forecast: Sales Value (in Million US\$), 2022-2027 Figure 57: Others: Automotive Engineering Services Outsourcing Market: Sales Value



(in Million US\$), 2016 & 2021

Figure 58: Others: Automotive Engineering Services Outsourcing Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 59: Europe: Automotive Engineering Services Outsourcing Market: Sales Value (in Million US\$), 2016 & 2021

Figure 60: Europe: Automotive Engineering Services Outsourcing Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 61: Germany: Automotive Engineering Services Outsourcing Market: Sales Value (in Million US\$), 2016 & 2021

Figure 62: Germany: Automotive Engineering Services Outsourcing Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 63: France: Automotive Engineering Services Outsourcing Market: Sales Value (in Million US\$), 2016 & 2021

Figure 64: France: Automotive Engineering Services Outsourcing Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 65: United Kingdom: Automotive Engineering Services Outsourcing Market: Sales Value (in Million US\$), 2016 & 2021

Figure 66: United Kingdom: Automotive Engineering Services Outsourcing Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 67: Italy: Automotive Engineering Services Outsourcing Market: Sales Value (in Million US\$), 2016 & 2021

Figure 68: Italy: Automotive Engineering Services Outsourcing Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 69: Spain: Automotive Engineering Services Outsourcing Market: Sales Value (in Million US\$), 2016 & 2021

Figure 70: Spain: Automotive Engineering Services Outsourcing Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 71: Russia: Automotive Engineering Services Outsourcing Market: Sales Value (in Million US\$), 2016 & 2021

Figure 72: Russia: Automotive Engineering Services Outsourcing Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 73: Others: Automotive Engineering Services Outsourcing Market: Sales Value (in Million US\$), 2016 & 2021

Figure 74: Others: Automotive Engineering Services Outsourcing Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 75: Latin America: Automotive Engineering Services Outsourcing Market: Sales Value (in Million US\$), 2016 & 2021

Figure 76: Latin America: Automotive Engineering Services Outsourcing Market Forecast: Sales Value (in Million US\$), 2022-2027



Figure 77: Brazil: Automotive Engineering Services Outsourcing Market: Sales Value (in Million US\$), 2016 & 2021

Figure 78: Brazil: Automotive Engineering Services Outsourcing Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 79: Mexico: Automotive Engineering Services Outsourcing Market: Sales Value (in Million US\$), 2016 & 2021

Figure 80: Mexico: Automotive Engineering Services Outsourcing Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 81: Others: Automotive Engineering Services Outsourcing Market: Sales Value (in Million US\$), 2016 & 2021

Figure 82: Others: Automotive Engineering Services Outsourcing Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 83: Middle East and Africa: Automotive Engineering Services Outsourcing Market: Sales Value (in Million US\$), 2016 & 2021

Figure 84: Middle East and Africa: Automotive Engineering Services Outsourcing Market: Breakup by Country (in %), 2021

Figure 85: Middle East and Africa: Automotive Engineering Services Outsourcing Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 86: Global: Automotive Engineering Services Outsourcing Industry: SWOT Analysis

Figure 87: Global: Automotive Engineering Services Outsourcing Industry: Value Chain Analysis

Figure 88: Global: Automotive Engineering Services Outsourcing Industry: Porter's Five Forces Analysis



#### I would like to order

 Product name: Automotive Engineering Services Outsourcing Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2022-2027
 Product link: <u>https://marketpublishers.com/r/A3DFBF4F7E3EEN.html</u>
 Price: US\$ 2,499.00 (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 <u>https://marketpublishers.com/r/A3DFBF4F7E3EEN.html</u>

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

Custumer signature \_\_\_\_\_

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

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

