+357 96 030922
info@marketpublishers.com

Automotive Engineering Services Market– Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Vehicle Type (Passenger Cars, Commercial Vehicle), By Propulsion Type (ICE, Electric), By Location (In-house, Outsource), By Application (Body Engineering, Chassis Engineering, Powertrain Engineering, Safety Systems, Infotainment Systems, Others), By Region & Competition, 2020-2030F

https://marketpublishers.com/r/A12D036E5E7BEN.html
Date: August 2025
Pages: 185
Price: US$ 4,500.00 (Single User License)
ID: A12D036E5E7BEN

Abstracts

Market Overview:

Global Automotive Engineering Services Market was valued at USD 193.89 Billion in 2024 and is expected to reach USD 321.61 Billion by 2030 with a CAGR of 8.80% during the forecast period. The global automotive engineering services market is witnessing strong growth driven by advancements in vehicle electronics, integration of connected car technologies, rising demand for electric and hybrid vehicles, and increasing adoption of advanced driver-assistance systems. Continuous innovation in lightweight materials, aerodynamics, and powertrain optimization is enhancing fuel efficiency and performance. Manufacturers are focusing on integrating artificial intelligence, IoT, and big data analytics into design and testing processes to accelerate development cycles and reduce costs. Growing collaboration between OEMs and engineering service providers is enabling rapid prototyping, simulation-based validation, and compliance with stringent safety and emission standards, further fueling market expansion.

+357 96 030922
info@marketpublishers.com

Market Drivers

Rising Adoption of Electric and Hybrid Vehicles

The increasing transition toward electric and hybrid vehicles is fueling demand for advanced engineering services to support design, integration, and testing of new powertrain systems. As automakers invest heavily in electrification, engineering solutions are required for battery packaging, thermal management, power electronics optimization, and regenerative braking systems. The shift also involves rethinking vehicle architecture to accommodate electric drivetrains, leading to the development of modular platforms that can support multiple propulsion technologies. Engineering services play a key role in ensuring performance, safety, and energy efficiency, while meeting stringent emission regulations. With global targets for reducing carbon emissions and the push for sustainable mobility, the complexity of designing lightweight structures, optimizing aerodynamics, and enhancing battery performance has grown substantially. For instance, in 2024, electric car sales worldwide surpassed 17 million, marking a growth of over 25% compared to the previous year. The additional 3.5 million electric cars sold in 2024 alone exceed the total global sales recorded in 2020. China remained the dominant market, with sales exceeding 11 million surpassing the entire global sales volume from just two years prior. While growth in Europe slowed due to subsidy reductions and unchanged EU CO2 targets, the United States saw continued, albeit slower, growth in electric car sales. Notably, markets outside China, Europe, and the U.S. experienced a record 40% sales increase, reaching 1.3 million electric cars and approaching the U.S. sales volume of 1.6 million.

Key Market Challenges

High Development Costs for Advanced Technologies

Developing advanced automotive technologies such as electrification systems, autonomous driving capabilities, and connected platforms involves substantial investment in research, development, and testing infrastructure. The cost of acquiring state-of-the-art simulation tools, prototype manufacturing facilities, and specialized testing equipment can be prohibitively high, particularly for smaller engineering service providers. Furthermore, the iterative nature of automotive engineering, which involves multiple design validation and compliance stages, extends project timelines and increases expenditures. OEMs and service providers must also invest in continuous software updates, cybersecurity enhancements, and compliance certifications, further adding to operational costs. Balancing the need for innovation with budget constraints

+357 96 030922
info@marketpublishers.com

becomes a major challenge, especially in competitive markets where time-to-market pressures are intense.

Key Market Trends

Adoption of Digital Twin Technology

Digital twin technology is emerging as a transformative trend in automotive engineering, enabling real-time virtual replication of physical vehicles, systems, or components. This approach allows engineers to simulate, monitor, and optimize performance under a variety of operating conditions without the need for costly physical prototypes. By integrating IoT sensors, AI analytics, and cloud computing, digital twins provide continuous feedback on system behavior, enabling predictive maintenance and faster troubleshooting. Engineering service providers leverage this technology to conduct virtual crash tests, validate aerodynamic performance, optimize thermal management, and refine control algorithms. The result is reduced development time, lower costs, and improved design accuracy. Digital twins also play a critical role in enhancing connected and autonomous vehicle development by allowing iterative testing of software updates and safety features in a controlled virtual environment.

Key Market Players

Harman International

FEV Group

L&T Technology Services Ltd

Robert Bosch GmbH

Continental AG

Bertrandt AG

Capgemini Engineering

AVL

EDAG Engineering GmbH

+357 96 030922
info@marketpublishers.com

IAV GmbH

Report Scope:

In this report, the global Automotive Engineering Services Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Automotive Engineering Services Market, By Vehicle Type:

Passenger Cars

Commercial Vehicle

Automotive Engineering Services Market, By Propulsion Type:

ICE

Electric

Automotive Engineering Services Market, By Location:

In-house

Outsource

Automotive Engineering Services Market, By Application:

Body Engineering

Chassis Engineering

Powertrain Engineering

Safety Systems

+357 96 030922
info@marketpublishers.com

- Infotainment Systems
- Others

Automotive Engineering Services Market, By Region:

- North America
  - United States
  - Canada
  - Mexico
- Europe & CIS
  - Germany
  - France
  - U.K.
  - Spain
  - Italy
- Asia-Pacific
  - China
  - Japan
  - India
  - Vietnam
  - South Korea

+357 96 030922
info@marketpublishers.com

Australia

Thailand

Middle East & Africa

South Africa

Saudi Arabia

UAE

Turkey

South America

Brazil

Argentina

Colombia

Competitive Landscape

Company Profiles: Detailed analysis of the major companies presents in the global Automotive Engineering Services Market.

Available Customizations:

Global Automotive Engineering Services Market report with the given market data, TechSci Research offers customizations according to the company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

+357 96 030922
info@marketpublishers.com

Contents

+357 96 030922
info@marketpublishers.com

5. NORTH AMERICA AUTOMOTIVE ENGINEERING SERVICES MARKET OUTLOOK

+357 96 030922
info@marketpublishers.com

6. EUROPE & CIS AUTOMOTIVE ENGINEERING SERVICES MARKET OUTLOOK

+357 96 030922
info@marketpublishers.com

7. ASIA-PACIFIC AUTOMOTIVE ENGINEERING SERVICES MARKET OUTLOOK

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

8. MIDDLE EAST & AFRICA AUTOMOTIVE ENGINEERING SERVICES MARKET OUTLOOK

+357 96 030922
info@marketpublishers.com

9. SOUTH AMERICA AUTOMOTIVE ENGINEERING SERVICES MARKET OUTLOOK

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Automotive Engineering Services Market– Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Vehicle Type (Passenger Cars, Commercial Vehicle), By Propulsion Type (ICE, Electric), By Location (In-house, Outsource), By Application (Body Engineering, Chassis Engineering, Powertrain Engineering, Safety Systems, Infotainment Systems, Others), By Region & Competition, 2020-2030F

Product link: https://marketpublishers.com/r/A12D036E5E7BEN.html

Price: US$ 4,500.00 (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/A12D036E5E7BEN.html