

Global Automotive Engineering Services Market by Service type (Designing, Prototyping, Testing); By Application type (autonomous driving, powertrain and after-treatment, body & chassis and infotainment & connectivity); By location (Onshore and Offshore); and Region –Analysis of Market Size, Share & Trends for 2016 – 2019 and Forecasts to 2029

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Abstracts

Market overview

Automotive engineering is the activity of designing and constructing automobiles with the integration of electrical, mechanical, software, electronic, software, and safety engineering. The designing and testing service of various systems, including brake, energy and power train, safety systems, fuel technologies, and transmission, is provided by automotive engineering. Automotive industry needs continuous innovation in order to thrive in a highly fragmented and competitive market, to provide the highest quality and reliability while reducing their production costs. Therefore, automobile manufacturers must ensure that their systems and supply components work properly during the product life cycle, and automotive engineering services are one of the most preferred ways to achieve such objectives.

Market Highlights

Fatpos Global anticipates the Automotive Engineering Services market to surpass USD XX Billion by 2030, which is valued at XX billion in 2019 at a compound annual growth rate of XX%. This growth is anticipated due to the advent of the substantial rise in the increases in electric vehicle sales, significant increases in automotive R&D spending, and strict government policies and regulations for ICE vehicles. Additional prospects for the advancement of automotive engineering services providers include the introduction

of autonomous vehicles and changing environmental conditions.

Source: Fatpos Global

Recent Highlights in the Automotive Engineering Services market

In July 2018, IAV GmbH entered into a strategic alliance with Ziehl-Abegg Automotive GmbH & Co. KG, a manufacturer of automotive components and the body producer Tassima AG, for the electrification of two-decker tourist buses.

In May 2019, Alten cooperated with Syrphus GmbH, which develops autonomous unmanned aircraft and provides multicopter and aviation services,

Automotive Engineering Services Market: Segments

The global market has been segmented on the basis of service type, application type, and location. It has been further segmented on the basis of region into North America, Europe, Asia-Pacific, Mid East, and Africa.

By Service Type (in %), global Automotive Engineering Services Market, 2019

The designing segment is anticipated to register the highest CAGR of over 29% from 2019 to 2030.

The global Automotive Engineering Services Market is segmented by Service type into Designing, Prototyping, and Testing

Countries like India and China have greatly benefitted from outsourcing their design, which has a high demand from OEMs in Japan, Germany & the US. Car manufacturers are investing heavily in research and production development and work with ESO companies to create complex vehicle features for their end-customers

Source: Fatpos Global

By Application type (in %), global Automotive Engineering Services Market, 2019

The infotainment & connectivity segment is anticipated to witness the fastest growth at a CAGR of over 31% from 2019 to 2030

The global Automotive Engineering Services market is segmented by Application type: autonomous driving, powertrain and after-treatment, body & chassis, and infotainment & connectivity

Several outsourcing companies provide advanced networking solutions to meet the infotainment and communication demand. For example, HARMAN Ignite Marketplace, a cloud-based software and application network, has been introduced by Harman

International and includes a wide portfolio of voice assistants, media material, messaging applications, and numerous other points of interest solutions.

By Location (in %), global Automotive Engineering Services Market, 2019

The on-shore segment held the highest revenue share in 2019

The global Automotive Engineering Services market is segmented by location into Onshore and Offshore

Onshore is expected to remain a leading supplier of automobile ESO's, especially for the design, prototyping, and other specialty services, around developed nations.

Global Automotive Engineering Services Market: Drivers and Restraints

Drivers

Growing market of Automobiles and EV

The global EV industry is continuing to expand rapidly. Electric vehicles generate a spectrum of strong economic growth, challenges, and opportunities, as any innovative disruptive technology. The increasing range of vehicles, improved charging network accessibility and positive engagement by manufacturers of original automobiles (OEMs) drive global automotive engineering service sales. Moreover, the increasing need for the required software expertise in several fields is projected to give automotive ESO companies greater opportunities due to the introduction of Advanced Driver Assistance Systems (ADAS), motor power engineering, in-vehicle infotainment, and connectivity.

Restraints

Stringent government policies to control vehicular emission

The regulations that concentrate on CO2 emissions cuts, enhanced test protocols, and noise pollution control are of great concern to businesses. Industries find it difficult to work in the same way as mandated by the government regulations to improve their product engineering. For example, in collaboration with the National Highway Traffic Safety Administration, the U.S. Environmental Protection Agency has laid down a plan in two phases: the years of 2012 to 2016 in the Phase 1 model years, and the years of 2018 to 2025 in the Phase 2 model years. Although Phase 1 standards are intended to reduce greenhouse gas (GHG) emissions and boost fuel quality, Phase 2 standards are based to have a total fleet economy of 40.3-41.0 mpg by 2021

Global Automotive Engineering Services Market: Key Players

Altran Technologies (France)

Company Overview

Business Strategy

Key Product Offerings

Financial Performance

Key Performance Indicators

Risk Analysis

Recent Development

Regional Presence

SWOT Analysis

Bertrandt AG (Germany)

IAV GmbH (Germany)

Alten Cresttek (U.S.)

FEV Group GmbH (Germany)

Akka Technologies (France)

EDAG Engineering GmbH (Germany)

HCL Technologies Limited (India)

L&T Technology Services Limited (India)

Global Automotive Engineering Services Market: Regions

South America is expected to register the fastest CAGR of over XX% from 2019 to 2030

This increase is due to OEMs working with the southern American government in the development of hybrid and electric vehicles based in Brazil, Argentina, and Colombia. In addition, growing government expenditure allocations to develop transport infrastructure across the region would likely contribute to demand growth during the forecast period.

The largest share in revenue was generated in 2019 in Asia-Pacific and is expected in the next seven years to maintain its dominance. Since cost-effective labor is available in countries like the Philippines, India, and China, the major car operators outsource development and allied operations to these destinations. This leads to the relocation of ESO car providers to their APAC bases.

Asia Pacific: China, Japan, India, and Rest of Asia Pacific

Europe: Germany, the UK, France, and Rest of Europe

North America: The US, Mexico, and Canada

Latin America: Brazil and Rest of Latin America

Middle East & Africa: GCC Countries and Rest of Middle East & Africa

Source: Fatpos Global

The global Automotive Engineering Services market is further segmented by region into:
North America Market Size, Share, Trends, Opportunities, Y-o-Y

Growth, CAGR – United States and Canada

Latin America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – Mexico, Argentina, Brazil and Rest of Latin America

Europe Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – United Kingdom, France, Germany, Italy, Spain, Belgium,

Hungary, Luxembourg, Netherlands, Poland, NORDIC, Russia,

Turkey and Rest of Europe

APAC Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – India, China, South Korea, Japan, Malaysia, Indonesia, New

Zealand, Australia and Rest of APAC

MENA Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – North Africa, Israel, GCC, South Africa

The global Automotive Engineering Services market report also contains analysis on:

Automotive Engineering Services Market Segments:

By Service type:

Designing

Prototyping

Testing

By Application type:

Autonomous driving

Powertrain and after-treatment

Body & chassis

Infotainment & connectivity

By Location

Onshore

Offshore

Automotive Engineering Services Market Dynamics

Automotive Engineering Services Market Size

Supply & Demand

Current Trends/Issues/Challenges

Competition & Companies Involved in the Market

Value Chain of the Market

Market Drivers and Restraints

FAQs on Global Automotive Engineering Services Market

Which segment is anticipated to hold the largest market share?

At what CAGR is the market anticipated to grow between 2020 and

Who are the key players in the global Automotive Engineering Services market?

What could be the challenging factors for the growth of the Automotive Engineering Services market?

What are the growth drivers for the Automotive Engineering Services market?

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21. L&T TECHNOLOGIES SERVICES LIMITED (INDIA)

22. OTHER PROMINENT PLAYERS

Consultant Recommendation

**The above-given segmentations and companies could be subjected to further modification based on in-depth feasibility studies conducted for the

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