**Table of Contents**

*China Commercial Vehicle Finance Industry Report, 2019-2025* ................................................................. 1  
*Electric Vehicles 2020-2030: Markets, technology, manufacturers, opportunities. Land, water, air: unique detail* ...... 1  
*ADAS and Autonomous Driving Tier 1 Suppliers Report, 2018-2019* .............................................................. 2  
*Global and China Automotive Radiator Industry Report, 2019-2025* ............................................................ 2  
*Automotive Acoustic Materials Market by Type (ABS, Fiberglass, PP, PU, PVC & Textile), Component (Arch Liner, Dash, Fender & Floor Insulator, Door, Head & Bonnet Liner, Engine Cover, Trunk Trim, Parcel Tray), ICE & EV, and Region - Forecast to 2027* ................................................................. 3  
*Automotive HUD (Head-up Display) Industry Report, 2018-2019* ................................................................. 4  
*Global ATV and UTV Market Forecast 2019-2027* .......................................................................................... 4  
*Global Truck Bedliners Market 2019-2023* ................................................................................................. 5  
*Global Spare Parts Logistics Market 2019-2023* ........................................................................................... 6  
*Automotive Sensors Market to 2027 - Global Analysis and Forecasts by Type, Application, Vehicle Type* ...... 7  
*Material Handling Equipment* ...................................................................................................................... 7  
*Automotive Lead Acid Batteries* .................................................................................................................. 8  
*Natural Gas Vehicles (NGVs)* ....................................................................................................................... 8  
*Automotive Software* .................................................................................................................................. 9  
*Automotive Entertainment Systems* ............................................................................................................. 9  
*Automotive Seats* ....................................................................................................................................... 10  
*Wiper Systems* ............................................................................................................................................ 10  
*Automotive Transmission Systems* ........................................................................................................... 11  
*Microcars* ..................................................................................................................................................... 11  
*Market Data - EV Geographic Forecasts - Europe: European Plug-in EV Forecasts by Country and Region* ...... 12  
*Global Wheel Aligner Machine Market - 2019-2026* ...................................................................................... 12  
*Heavy Duty Diesel (HDD) Catalysts* ........................................................................................................... 13  
*Gears, Drives and Speed Changers* ................................................................................................................ 13  
*Global Vehicle Tracking Systems Market (2018 - 2024)* ............................................................................ 14  
*Electric Vehicle Charging: Infrastructure and Global Markets* ................................................................ 14  
*The xEV Industry Insider Report* ............................................................................................................... 15  
*Battery Packs of Modern xEVs Report* ......................................................................................................... 16  
*Europe Contract Logistics Market to 2025 - Regional Analysis and Forecasts by Type, Services, and End-user* .... 16
Global Automotive Hydroformed Parts Market 2019 to 2024 ............................................................................................................................... 44
Global Automotive Aluminum Wheel Market Insights, Forecast to 2025 ........................................................................................................ 45
Vehicle Roadside Assistance Market - Global Industry Analysis, Size, Share, Growth, Trends, and Forecast, 2019 - 2027 ................................................................. 45
Global Fuel Cell Commercial Vehicle Market 2019-2023 .......................................................................................................................... 46
Global and China Automotive Night Vision System Industry Report, 2019-2025 ........................................................... 46
Flexitank Market by Type (Monolayer and Multilayer), Loading Type (Bottom Loading and Top Loading), Application (Food-Grade Liquids, Non-Hazardous Chemicals/Liquids, and Pharmaceutical Liquids), and Region - Global Forecast to 2023 ........................................................................ 47
North America Automotive Semiconductor Market to 2027 - Regional Analysis and Forecasts by Component ; Application ; Vehicle Type ......................................................................................................................... 48
European and North American Advanced Driver Assistance Systems (ADAS) and High Definition (HD) Mapping Market, 2018 ......................................................................................................................... 48
Asia Pacific Automotive Semiconductor Market to 2027 - Regional Analysis and Forecasts by Component ; Application ; Vehicle Type ......................................................................................................................... 49
Lightweighting Series - Supply- and Demand-side Analysis of Composites in the Automotive Industry, Forecast to 2025 ........................................................................ 49
Europe Automotive Semiconductor Market to 2027 - Regional Analysis and Forecasts by Component ; Application ; Vehicle Type ......................................................................................................................... 50
Global Automotive Head Up Display Market Forecast 2019-2027 ......................................................................................................................... 50
Understanding Indian Consumers’ Priorities, Preferences and Willingness to Purchase Hybrid and Electric Vehicles, 2017 ......................................................................................................................... 51
Automotive Aftermarket Size, Share & Trends Analysis Report By Service Channel (OE, DIY), By Replacement Part (Tire, Battery), By Certification, By Distribution Channel, By Region, And Segment Forecasts, 2019 - 2025 ......................................................................................................................... 51
Executive Analysis of the US EV Charging Ecosystem, 2018 ......................................................................................................................... 51
Global All-Terrain Vehicle (ATV) Transmission System Market 2019-2023 ......................................................................................................................... 52
Global Spark and Glow Plug Market Size, By Product Type, By Application, By Distribution Channel, By Region, Market Trend Analysis, Competitive Analysis, Size and Forecast, 2015-2025 ......................................................................................................................... 52
Global Self-Balancing Scooter Market Size, by Product Type, by End-Use Industry, by Region ; Growth Potential, Trends Analysis, Competitive Market Size and Forecast, 2019-2025 ......................................................................................................................... 53
ADAS and Autonomous Driving Industry Chain Report, 2018-2019 - Automotive Processor and Computing Chip ... 54

Automotive Collision Repair Market Size, Share & Trends Analysis Report By Product Type (Paints & Coatings, Consumables, Spare Parts), By Vehicle Type, By Service Channel (DIY, DIFM, OE), And Segment Forecasts, 2019 - 2025 ................................................................................................................................................... 56

The Philippines EV Market, Forecast to 2022 .............................................................................................................. 57

Automotive Camera & Camera Module Market 2019-2029: Forecasts by Type (Camera/Module), by Vehicle Type, by Component (Image Sensors/Lens Module), by Application, by Region, Analysis of Leading Companies Developing ADAS & Autonomous Technologies ................................................................................................................................................... 57


Global Shared and Autonomous Mobility Industry Outlook, 2019 ............................................................................................................................................................................... 59

Global Powertrain Outlook, 2019 ............................................................................................................................................................................... 59

Transformative Impact of Autonomous Driving on Global Heavy-duty Truck Market ................................................................................................................. 60

Automotive Wrap Films Market Size, Share & Trends Analysis Report By Application (Heavy-, Medium-, Light-duty Vehicles), By Region (Central & South America, APAC, MEA, North America, Europe), And Segment Forecasts, 2019 - 2025 ............................................................................................................................................................................ 60

Global Truck Platooning Market - 2019-2026 .............................................................................................................. 61

Global Two-Wheeler Market By Vehicle Type (Scooter/Moped and Motorcycle), By Engine Capacity (Up to 125cc, 126-250cc, 250-500cc and Above 500cc), By Region, Competition, Forecast & Opportunities, 2014 - 2024 ................................................................................................................. 61

Advanced engine technologies for meeting CO2 and fuel economy targets - forecasts to 2033 ................................................................................................................................................................................. 62

India Two-Wheeler Brake System Market By Vehicle Type, By Capacity, By Brake Type, By Demand Category, Competition, Forecast & Opportunities, 2014 - 2024 ................................................................................................................................................................................. 63

Global Electric Two-Wheeler Market By Vehicle Type (Scooter/Moped and Motorcycle), By Battery Capacity (<25 Ah and >25 Ah), By Battery Type (Lead Acid and Li-ion), By Region, Competition, Forecast & Opportunities, 2014-2024 ................................................................................................................................................................................. 63

EV Batteries and Materials: Technology, Trends, and Market Forecasts ................................................................................................................................................................................. 63

Global Electric Vehicle Charging Stations Market - Industry Trends and Forecast to 2026 ................................................................................................................................................................................. 64

Cold Storage Market Size, Share & Trends Analysis Report By Construction Type (Bulk Storage, Production Stores), By Temperature Type (Chilled, Frozen), By Application, By Warehouse Type, And Segment Forecasts, 2019 - 2025 ................................................................................................................................................................................. 66

India Luxury Car Market - Growth, Trends, and Forecast (2019 - 2024) ................................................................................................................................................................................. 66

Middle East Auto Components Market By Vehicle Type (Passenger Car, Commercial Vehicle, OTR & Two-wheeler), By Component Type (Filter; Lubricant & Others), By Demand Category (Replacement & OEM), By Country, Competition Forecast & Opportunities, 2024 ................................................................................................................................................................................. 67

Europe Electric Vehicle Charging Stations Market - Industry Trends and Forecast to 2026 ................................................................................................................................................................................. 68
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Over recent years, auto finance industry in China steadily developed, assisting the uprising of penetration of auto finance constantly, which achieved 43% in 2018, up 3 percentage points versus 2017. Market size of auto finance in China is estimated to be RMB 1.200 trillion in 2018, up 2.6% yr-on-yr.

Commercial vehicle enjoyed stable growth in sales volume over recent years. At present, its sales volume accounts for over 40% of the global total, and annual sales surpasses RMB 1 trillion. However, viewed from status quo of China commercial vehicle finance service, there is still an obvious gap to fill compared to developed countries. At present, penetration of commercial vehicle finance market in China is approximately 50%, which is far below that of international mature market (with 90% of penetration). Based on commercial vehicle sales volume of 4.37 million units, China commercial vehicle finance market size is estimated to be 2.19 million units in 2018.

Currently, main participants of China commercial vehicle finance industry include commercial banks, bank-affiliated financial leasing companies, manufacturer-affiliated financial leasing companies, and third-party financial leasing companies. Of which, commercial banks and bank-affiliated financial leasing companies occupy more than half of the market share, while the remaining one third is held by manufacturer-affiliated financial leasing companies.

Electric Vehicles 2020-2030: Markets, technology, manufacturers, opportunities. Land, water, air: unique detail
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www.giiresearch.com/ce/836181

"Electric Vehicles 2020-2030" has over 240 pages of detailed distilled information largely as new infographics, forecast area graphs and technology event timelines. The Executive Summary and Conclusions is comprehensive yet easily absorbed by those in a hurry. Briefly learn the definitions, types of hybrid and pure electric powertrain and where they are headed overall - not just for cars. In one infographic, four important applicational sectors are divided into 13 EV types serving them and the characteristics are compared.

Who is winning in the EV marketplace and why are others finding it so hard to catch up? What performance features closely correlate with commercial success? An image compares the good and bad EV strategies of 21 manufacturers against 13 proven drivers of business success. See scope for mergers between 29 players against their nine EV product categories. Understand ten key enabling technologies for future EVs and how they will evolve over the years, with many new images. See how each will serve listed primary needs such as elimination of poisons over coming years. 2020-2030 forecasts give number, unit value and market value for all the main categories divided into their many sub-sectors. The full 100 category forecasts in Excel are included so you can run your own scenarios.
ADAS and Autonomous Driving Tier 1 Suppliers Report, 2018-2019

From the progress of the world's main Tier1 suppliers in autonomous driving, it can be seen that the giants like Bosch and Continental are moving forward at their own pace in line with their timetable.

Traditional Tier1 suppliers are sparing no efforts in enlarging talent teams (especially software), developing ADAS/AD domain controllers, acquiring sensor firms and self-development, testing autonomous driving technology in various scenarios (industrial park, highway, parking, etc.), expanding autonomous fleets for road test, building test fields on their own or together with others, establishing operation and data management centers, and allying themselves with more partners.

Tier1 suppliers suffer a slump in profits and even a bigger loss because of huge investment in autonomous driving, but there is good news that orders are increasing.

Veoneer's operating loss for 2019Q1 jumped to USD128 million compared with USD16 million in 2018Q1; its R&D expenses rose to USD156 million from USD106 million in 2018Q1; capital expenditure surged from USD31 million to USD59 million largely for camera capacity expansion, according to Veoneer's 2019Q1 financial results in the table above.

Global and China Automotive Radiator Industry Report, 2019-2025

As an essential part of an automobile, the radiator's demand hinges on growth of the automotive sector. In 2018, output and sales of automobiles in China declined by 4.2% and 2.8% from a year earlier to 27.809 million units and 28.081 million units, respectively, causing a year-on-year decrease of 4.2% in the demand for radiators to hit 27.809 million units with the market size of roughly RMB4,026 million, all of which arose from preferential purchase tax policy cancellation, macro-economy slowdown, China-US trade war and weaker consumer confidence, according to the data from China Association of Automobile Manufacturers (CAAM). It is expected that the sales drop of automobiles will be accompanied by less demand for radiators in China whilst the radiator prices are declining. Chinese radiator market will be worth RMB3,857 million and 30.21 million units will be demanded in 2025.

Automotive radiators are used in compact vehicles (including passenger cars and small/mini commercial vehicles), medium and large commercial vehicles and new energy vehicles. Market size of the three types of radiators reached RMB2,966 million, RMB753 million and RMB308 million in 2018, respectively, and are projected to be RMB2,510 million, RMB615 million and RMB1,014 million in 2025, among which only those for new energy vehicles will rise.
The acoustic materials market is projected to grow at a CAGR of 6.99% during the forecast period, to reach a market size of USD 2.93 billion by 2022 from USD 2.09 billion in 2017. Increasing focus towards interior cabin comfort, global rise in vehicle production, increasing premium vehicle sales, and continuous upgradations in noise regulations by the regional authorities such as European Union (EU), and the National Highway Traffic Safety Administration (NHTSA) for ICE and electric vehicles are the key drivers for this market. Fluctuating raw material price and the recycling of acoustic materials are few of the challenges for this market.

"Textiles is projected to grow at the highest rate in the acoustic materials market over the period of next five years"

The textiles segment is estimated to be the fastest growing automotive acoustic material segment during the forecast period. Textiles offer advantages such as reduced weight, better sound absorption, and improved aesthetic features compared with conventional materials. According to European Disposables and Nonwovens Association (EDANA), the nonwoven textiles find multiple automobile applications that include interiors (54%), exteriors (19%), filtration (12%) and battery parts (5%). The demand is expected to grow in future owing to its advantages and further drive the textiles market.
Automotive HUD (Head-up Display) Industry Report, 2018-2019

June 2019

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Automotive Head-up Display (HUD) Industry Report: Installation of OEM HUD for Passenger Cars Soared by 94.1% Year on Year in China in 2018

In 2018, 308,900 units of OEM HUDs were installed in passenger cars in China, a 94.1% upsurge from a year earlier, according to our recent report -- Automotive HUD Industry Report, 2018-2019.

We worked out 2019Q1 lists of passenger car HUD supplier ranking by competitiveness with efforts from secondary research, data processing, and investigation & integration to evaluation & analysis. Denso came to the top spot among all suppliers and CarRobot ranked first among Chinese suppliers.

HUD was in vogue from 2014 to 2015. NAVDY that was a typical supplier then, however, doesn't appear on our latest HUD industry chain.

NAVDY followed a digital light processing (DLP) technology roadmap, but DLP HUD had some drawbacks like complicated design and high cost. In TI's case, its first-generation DLP chip only worked at temperatures of -40-85 °C, short of automotive standards. Navdy raised USD42 million from Qualcomm and several other venture capital firms. Navdy HUD which should have been launched in the first quarter of 2015 came out just in recent two years. In October 2016, the product was put on sale, but its price surged to USD799 from the pre-sale price of USD299. In 2018, NAVDY had to go into liquidation after its failure in aftermarket.

Global ATV and UTV Market Forecast 2019-2027

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Global ATV and UTV market deals in various segments depending as per the customer demand for the recreational use of the vehicle in sports, farming, mountaineering, military, etc. The outdoor explorers and adventure seekers are the extensive users of these vehicles and capturing the widest share of the total market in 2018. The global ATV and UTV Market are anticipated to grow from $ XX million in 2018 to $14560 million by 2027, at a CAGR of 7.15% between 2019 and 2027. The base year considered for the study is 2018 & the estimated period is between 2019 & 2027.

MARKET INSIGHTS

The growth in sports enthusiasm, the worldwide deployment in military services and the agriculture and farming industries implementations are the major proliferating factors for the ATV and UTV market. The most important driver for the market development has been the growth in sports enthusiasm, since the inception of the all-terrain vehicle and respective utility task vehicle always have attracted the youth and enthusiast from the globe. ATV and UTV demand have increased over the years because of high inclination toward sports, recreation and tourism activities. The increasing trend of adventure sports and sports activities has increased the demand for these vehicles. The growing consumer income and improving the standard of living have boosted market growth.
Global Truck Bedliners Market 2019-2023

Published by TechNavio (Infiniti Research Ltd.)

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The global truck bedliners market is primarily driven by the growth in the demand for pickup trucks. In addition, there are certain factors acting as market enablers. For instance, growth in the availability of truck accessories at authorized dealerships or on authorized online accessories portals is fueling the growth of the market in focus because such add-on packages (packages including accessories such as bedliners, bed divider, and more) push consumers to buy basic accessories at dealership stores only as certain consumers prefer them while buying new trucks. Technavio’s analysts have predicted that the truck bedliners market will register a CAGR of nearly 8% by 2023.

Market Overview

Growing sales of pickup trucks

The global automobile market is witnessing a growing demand for utility vehicles such as pickup trucks and SUVs. The increased sales of pickup trucks and the presence of a large on-road fleet enhance the market potential of the players operating in the market in focus.

Reliability issues associated with truck bedliners

Although the market in focus is driven by various factors, certain factors act as market inhibitors. These factors are mostly related to the life cycle of bedliners, which leads to reliability and durability concerns. These challenge the overall growth of the market in focus as it increases the maintenance cost for the user.
The high population density acts as a major driver for trade between India and China. In 2017, India increased the import duty on certain product categories (such as mobile phones, watches, and perfumes) imported from China. However, the increase in import duty will take a long time to have a serious impact on China's imports to India. The growing trade of HS Code 85 products between these two emerging economies is expected to increase the demand for spare parts logistics in countries in APAC. Technavio's analysts have predicted that the spare parts logistics market will register a CAGR of over 6% by 2023.

Market Overview

Rising free trade agreements in Europe

The rising free trade agreements with many developing countries are increasing the volume of imports and exports in Europe. The increase in free trades provides many opportunities for Europe manufacturers to enter other developed and developing countries. This in turn will drive the demand for spare parts logistics during the forecast period.

Adoption of 3D printing in manufacturing industry

With the use of 3D printing, the spare parts manufacturers can achieve same-day production and shipment. Instead of producing a bulk number of spare parts and storing them on inventory, spare parts manufacturers are moving toward on-demand manufacturing to reduce the packaging and inventory management costs. Thus, adoption of 3D printing in manufacturing industry will hinder the market growth.
**Automotive Sensors Market to 2027 - Global Analysis and Forecasts by Type ; Application ; Vehicle Type**

Published by The Insight Partners

Pub. Date 2019/05/02

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USD 8550 PDF by E-mail (Enterprise License)

www.giiresearch.com/ce/834494

"The global automotive sensors market accounted for US$ 8.17 Bn in 2018 and is expected to grow at a CAGR of 8.3% over the forecast period 2019-2027, to account for US$ 16.73 Bn in 2027. The factors that are driving the growth of the automotive sensors market include the tremendous growth in vehicle manufacturing and rising number of collaborations among vehicle OEMs and sensor manufacturers in the automotive industry. However, assimilation of advanced sensor technologies significantly raises the cost of the vehicles is anticipated to hinder the automotive sensors market for same in the coming years. In addition, electric vehicle manufacturing is expected to create a lucrative market opportunity for automotive sensor market. Some of the leading players in the automotive sensors market are highly focusing on strategic market initiatives in order to enrich its product capabilities as well as to expand their geographical presence across the globe, which in turn is contributing for the growth of the automotive sensors market.

The automotive sensors market is categorized on the basis of various application such as advanced driver assistance systems, body electronics, infotainment, powertrain, safety systems, chassis, and others. ADAS dominated the application segment, and the ADAS segment is calculated to continue its dominance year on year till 2027.

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**Material Handling Equipment**

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www.giiresearch.com/ce/138618

This report analyzes the worldwide markets for Material Handling Equipment in US$ Million by the following Product Segments: Conveying Equipment, Industrial Trucks and Lifts, Hoists, Cranes, and Monorails, Automated Storage and Retrieval Systems (AS/RS), and Others. The report provides separate comprehensive analytics for the US, Canada, Japan, Europe, Asia-Pacific, Middle East & Africa, and Latin America. Annual estimates and forecasts are provided for the period 2016 through 2024. Also, a five-year historic analysis is provided for these markets. Market data and analytics are derived from primary and secondary research. Company profiles are primarily based on public domain information including company URLs. The report profiles 580 companies including many key and niche players such as -

- Beumer Maschinenfabrik GmbH
- Cargotec Oy
- CLARK Material Handling International
- Crown Equipment Corporation
- Columbus McKinnon Corp.
- Daifuku Co., Ltd.
Automotive Lead Acid Batteries

This report analyzes the worldwide markets for Automotive Lead Acid Batteries in US$ Million and Thousand Units by the following End-Use Segments: Original Equipment Market (Motorcycles, Passenger Cars, & Commercial Vehicles), and Aftermarket/Replacement Market (Motorcycles, Passenger Cars, & Commercial Vehicles). The report provides separate comprehensive analytics for the US, Canada, Japan, Europe, Asia-Pacific, Latin America and Rest of World. Annual estimates and forecasts are provided for the period 2016 through 2024. Also, a five-year historic analysis is provided for these markets. Market data and analytics are derived from primary and secondary research. Company profiles are primarily based on public domain information including company URLs. The report profiles 62 companies including many key and niche players such as -

- AC Delco Corporation
- ATLASBX Co., Ltd.
- Banner Batteries
- B.B. Battery
- Camel Group Co., Ltd.
- Crown Battery

Natural Gas Vehicles (NGVs)

This report analyzes the worldwide markets for Natural Gas Vehicles (NGVs) in Units. The Global market is further analyzed by the following Product Segments: Light Duty Vehicles, Medium Duty & Heavy Duty Trucks, and Medium Duty & Heavy Duty Buses. The report provides separate comprehensive analytics for the US, Canada, Japan, Europe, Asia-Pacific, Middle East & Africa, and Latin America. Annual estimates and forecasts are provided for the period 2016 through 2024. Market data and analytics are derived from primary and secondary research. Company profiles are primarily based on public domain information including company URLs. The report profiles 46 companies including many key and niche players such as -

- AB Volvo
- Alexander Dennis Limited
- Autocar, LLC
- Daimler AG
- Ford Motor Company
- General Motors Company
Automotive Software
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This report analyzes the worldwide markets for Automotive Software in US$ Thousand by the following Application Segments: Safety & Security Systems, Body Electronics/Comfort Systems, Infotainment/Telematics, and Others. The report provides separate comprehensive analytics for the US, Canada, Japan, Europe, Asia-Pacific, Latin-America, and Rest of World. Annual estimates and forecasts are provided for the period 2016 through 2024. Also, a five-year historic analysis is provided for these markets. Market data and analytics are derived from primary and secondary research. Company profiles are primarily based on public domain information including company URLs. The report profiles 83 companies including many key and niche players such as -

- Airbiquity, Inc.
- Apple, Inc.
- Aptiv PLC
- Bosch Software Innovations GmbH
- Denso Corporation
- Elektrobit

Automotive Entertainment Systems
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Pub. Date 2019/05/01
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This report analyzes the worldwide markets for Automotive Entertainment Systems in US$ Million by the following Segments: DVD Players, Audio Players, Satellite Radio, and Others. The report provides separate comprehensive analytics for the US, Canada, Japan, Europe, Asia-Pacific, Latin America, and Rest of World. Annual estimates and forecasts are provided for the period 2015 through 2022. Also, a six-year historic analysis is provided for these markets. Market data and analytics are derived from primary and secondary research. Company profiles are primarily based on public domain information including company URLs. The report profiles 67 companies including many key and niche players such as -

- Alpine Electronics of America, Inc.
- Bose Corporation
- Blaupunkt GmbH
- Clarion Corporation of America
- Continental Automotive GmbH
- Harman International
**Automotive Seats**

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This report analyzes the worldwide markets for Automotive Seats in US$ Million. The report provides separate comprehensive analytics for the US, Canada, Japan, Europe, Asia-Pacific, Latin America, and Rest of World. Annual estimates and forecasts are provided for the period 2016 through 2024. Also, a five-year historic analysis is provided for these markets. Market data and analytics are derived from primary and secondary research. Company profiles are primarily based on public domain information including company URLs. The report profiles 35 companies including many key and niche players such as:

- Adient  
- BRIDE Co., Ltd.  
- Brose Fahrzeugteile GmbH & Co. KG  
- Camaco LLC  
- C.I.E.B. Kahovec, spol. s r.o.  
- Daewon Kang up Co., Ltd

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**Wiper Systems**

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This report analyzes the worldwide markets for Wiper Systems in US$ Million. The report provides separate comprehensive analytics for the US, Canada, Japan, Europe, Asia-Pacific, Middle East & Africa, and Latin America. Annual estimates and forecasts are provided for the period 2016 through 2024. Also, a five-year historic analysis is provided for these markets. Market data and analytics are derived from primary and secondary research. Company profiles are primarily based on public domain information including company URLs. The report profiles 37 companies including many key and niche players such as:

- Albany Magneto Equipment Inc.  
- Cardone Industries, Inc.  
- Denso Corporation  
- DOGA S.A  
- Federal-Mogul Corporation  
- HELLA GmbH & Co. KGaA
Automotive Transmission Systems

This report analyzes the worldwide markets for Automotive Transmission Systems in Number of Units Factory Fitted in Light Vehicles in Thousand Units by the following Segments: Manual Transmissions, Automatic Transmissions, Automated Manual Transmissions, Continuously Variable Transmissions, Dual Clutch Transmission (DCT), and Other Transmission Systems. The report provides separate comprehensive analytics for the US, Canada, Japan, Europe, Asia-Pacific, Latin America, and Rest of World. Annual estimates and forecasts are provided for the period 2015 through 2024. Market data and analytics are derived from primary and secondary research. Company profiles are primarily based on public domain information including company URLs. The report profiles 61 companies including many key and niche players such as -

- Aisin Seiki Co., Ltd.
- BorgWarner Inc.
- Eaton Corporation Plc
- FPT Industrial S.p.A
- General Motors Company
- Groupe Renault

Microcars

This report analyzes the worldwide markets for Microcars in Units. The report provides separate comprehensive analytics for the US, Japan, Europe, and Rest of World. Annual estimates and forecasts are provided for the period 2016 through 2024. Also, a five-year historic analysis is provided for these markets. Market data and analytics are derived from primary and secondary research. Company profiles are primarily based on public domain information including company URLs. The report profiles 31 companies including many key and niche players such as -

- Daimler AG
- Mahindra Electric Mobility Limited
- Nissan Motor Co., Ltd.
- Groupe PSA
- Piaggio & C. Spa
- Renault S.A.
Market Data - EV Geographic Forecasts - Europe: European Plug-in EV Forecasts by Country and Region

Published by Navigant Research

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www.giiresearch.com/ce/830767

With plug-in EV (PEV) sales on track for another record year in Europe and worldwide, understanding the geographic distribution and policies that influence PEV adoption is more important than ever for stakeholders. PEVs are increasingly being considered by more consumers as a top choice for their next vehicle purchase, more countries are implementing purchase incentives, and the price of PEV technologies continues to decline.

Model availability, consumer awareness, and infrastructure all pose challenges to PEV adoption in Europe, and globally. The number of models available in Europe is expected to increase in the next 3-5 years, especially with European automakers committing to transition to only hybrid and PEV models over the next several years. Challenges to adoption include lack of consumer awareness and charging infrastructure. However, charging technologies continue to advance, and Europe continues to see the development of public charging networks such as E.ON.

This Navigant Research report analyzes the European market conditions and country-level policies for PEVs. The study examines the next decade of the European PEV market with a specific focus on how government policies, vehicle and energy economics, and infrastructure will affect PEV population and sales growth. Sales and population forecasts of major European countries and regions by PEV powertrain type extend to 2030. Forecasts are provided by segment under conservative, base, and aggressive scenarios alongside historical data on battery EV (BEV), plug-in hybrid EV (PHEV), and overall light duty vehicle (LDV) sales and population.

Global Wheel Aligner Machine Market - 2019-2026

Published by DataM Intelligence

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The global Wheel aligner machine market was worth $ XX billion in 2018 and is expected to reach $ XX billion by 2026, at a CAGR of XX% during the forecast period (2019-2026).

Wheel Alignment machines are used for aligning tyres of the vehicles during assembly or when there need to change. This equipment helps in adjusting the angle of the wheels based on the manufacturer’s commands. This equipment’s also inspect the alignment of the wheels, toe, camber, and caster, which are necessary components for measuring wheel alignment and orientation. There have been different technology emerging in wheel alignment machines, to enhance the inspection quality as well as to reduce the alignment time. Growing usage of these equipment’s due to its superior properties is expected to drive the global wheel aligner market at a high pace over the forecast period (2019-2026).
**Heavy Duty Diesel (HDD) Catalysts**

*Published by Global Industry Analysts, Inc.*

*Price*
- USD 5450 PDF by E-mail (Single User License) ~
- USD 16350 PDF by E-mail (Global License to Company and its Fully-owned Subsidiaries)

This report analyzes the worldwide markets for Heavy Duty Diesel (HDD) Catalysts in US$ Million. The report provides separate comprehensive analytics for the US, Canada, Japan, Europe, Asia-Pacific, and Rest of World. Annual estimates and forecasts are provided for the period 2015 through 2024. Market data and analytics are derived from primary and secondary research. Company profiles are primarily based on public domain information including company URLs. The report profiles 12 companies including many key and niche players such as -

- BASF SE
- Clariant
- Clean Diesel Technologies, Inc.
- Johnson Matthey plc
- N.E. Chemcat Corporation
- Umicore N.V.

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**Gears, Drives and Speed Changers**

*Published by Global Industry Analysts, Inc.*

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This report analyzes the worldwide markets for Gears, Drives and Speed Changers in US$ Million by the following End-Use Sectors: Automotive, Industrial, and Marine, Aerospace, and Others. The report provides separate comprehensive analytics for the US, Canada, Japan, Europe, Asia-Pacific, Latin America, and Rest of World. Annual estimates and forecasts are provided for the period 2016 through 2024. Also, a five-year historic analysis is provided for these markets. Market data and analytics are derived from primary and secondary research. Company profiles are primarily based on public domain information including company URLs. The report profiles 298 companies including many key and niche players such as -

- ABB Ltd.
- Bharat Gears Ltd.
- Bonfiglioli Riduttori S.P.A.
- BorgWarner, Inc.
- Bosch Rexroth AG
- Cone Drive

The Global Vehicle Tracking Systems Market size is expected to reach $13.4 billion by 2024, rising at a market growth of 18.9% CAGR during the forecast period. The global market for vehicle tracking systems is driven primarily by the expansion of goods and passenger transportation services. Vehicle fleet operators are willing to track their vehicles to obtain accurate vehicle data, location, performance, and driver behavior. Accelerated road freight transportation services are fueling global demand for vehicle tracking systems. The expansion of the global passenger transportation industry, attributed to the growing presence of ride-hailing companies, vehicle rental companies, and the increasing adoption of app-based transportation services are fueling global demand for vehicle tracking systems.

A vehicle tracking system is the system that, with the help of GPS satellites, enables tracking and controlling vehicles via an online computer, smartphone, tablet, etc. on a 24/7 basis. Vehicle tracking systems enable instantaneous, historical tracking of vehicle speeds, the routes they traveled, stops, and idling times on maps with past and present reports.

**Electric Vehicle Charging: Infrastructure and Global Markets**

The global market for electric vehicle charging infrastructure should grow from $4.7 billion in 2018 to $13.0 billion by 2023 at a compound annual growth rate (CAGR) of 22.5% for the period of 2018-2023.

Private electric vehicle charging infrastructure market should grow from $3.7 billion in 2018 to $9.9 billion by 2023 at a CAGR of 21.6% for the period of 2018-2023.

Public electric vehicle charging infrastructure market should grow from $982.8 million in 2018 to $3.1 billion by 2023 at a CAGR of 25.8% for the period of 2018-2023.

Report Scope:

Electric vehicles (Evs) include passenger vehicles, scooters and buses. State-of-the-art batteries have enabled a growing niche market for trucks, buses, small electric scooters and Segway-type vehicles. An entirely new market for low-velocity or neighborhood Evs includes everything from relatively low-tech, street-ready golf carts to advanced concept vehicles. These electric vehicles require a charging infrastructure which is expected to see a high growth in the coming future. Market data contained in this report quantifies opportunities for manufacturers of electric charging infrastructure. In addition to identification of various types of vehicles, types of chargers and standards, it also covers the many issues concerning the merits of and prospects for the electric vehicle charging infrastructure business. This includes corporate strategies, emerging technologies and the means for providing low cost, high technology products. Also covered in detail are the economic and technological issues regarded by many as critical to the industry’s current state of change. Competitive positions of the major players in the market and the strategic options they face are also discussed in the report.
An insider’s view of the future xEV market and the battery technology that will power it

Built on site interviews with over 15 global automakers and their leading battery suppliers, the Report assesses the pace of xEV market expansion based on global market conditions and the cost/benefit ratios of emerging vehicles and battery technologies

The xEV Industry Insider Report is:

- Comprehensive: Covering both vehicle and battery technology and the xEV market
- Technically deep: Reviewing cell and battery design, performance, cost, life, and safety
- Insightful: Based on the input of executives from major automakers and their suppliers
- Analytical: Examining which battery for which xEV and why
- Impartial: A realistic, unbiased assessment of both technology and market by an independent expert


The global automotive industry is undergoing a period of wide-ranging transformations with a change in the consumer behavior as well as an increase in the implementation of stringent environmental regulations. A rise in the conventional fuel vehicle sales, along with increasing global population and urbanization, has brought with it some serious concerns, such as global warming and alarming pollution levels. There are innumerable issues that are plaguing the planet, and the natural resources (especially fossil fuels) are declining at a rapid pace. This has consequently led the governments, environmental agencies, and automobile manufacturers to develop different modes of transport that run on alternate means.

An electric vehicle fast charging system is an integral part of the electric vehicle ecosystem and is used to charge the battery of electric vehicles faster as compared to other chargers. These chargers supply electric energy to the electric vehicle to charge the battery of battery electric vehicles and plug-in hybrid vehicles. The electric vehicle fast charging system market is majorly driven by the factors such as rise in electric vehicles sales, technological advancement, and increasing push from government for the deployment of highway chargers as well as fast bus chargers.
Battery Packs of Modern xEVs Report

Published by Total Battery Consulting

Price
USD 3500 Three Electronic Copies ~
USD 5000 Corporate Network License

www.giiresearch.com/ce/356296

This expansive report provides an analysis of the battery-pack technology used in over 100 of the most recent xEVs, and includes the following topics:

- Cell supplier
- Cell chemistry
- Cell key characteristic
- Cell arrangement in the pack
- Battery integrator
- Battery key characteristic
- Cooling
- Battery management
- Battery location in the vehicle
- Battery and vehicle special characteristic
- And more

Europe Contract Logistics Market to 2025 - Regional Analysis and Forecasts by Type ; Services ; and End-user

Published by The Insight Partners

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www.giiresearch.com/ce/834504

The Europe Third-party logistics market accounted for US$ 210.0 Bn in 2017 and is expected to grow at a CAGR of 5.2% over the forecast period 2018-2027, to account for US$ 312.5 Bn in 2027. Factors including benefits in managing seasonal variations of products driving the Europe Third-party logistics market. Third party logistic (3PL) firms have diversified resource network which helps core companies to expand quickly and efficiently in a cost-effective manner. Depending on the needs of core companies, 3PL possess the capability to scale labor, space, and transportation needs irrespective of the fluctuation in inventory. 3PL firms deliver adequate resources and flexibility in services even in case of seasonal inventory or new product release. Many of the businesses experience seasonal fluctuation in customer demand, and it is essential to handle such swings in business to maintain efficiency in operations. The market players are focusing on various initiatives to enhance its reach to rural areas and boost its position in the Europe Third-party logistics market.

The Europe Third-party logistics market is fragmented with the presence of several industries and the competitive dynamics in the market is expected to change during the upcoming years.
Asia-Pacific Contract Logistics Market to 2025 - Regional Analysis and Forecasts by Type ; Services ; and End-user

Published by The Insight Partners

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www.giiresearch.com/ce/834492

"The Asia-Pacific Contract Logistics market accounted for US$ 80,963.7 Mn in 2017 and is expected to grow at a CAGR of 4.6% over the forecast period 2018-2025, to account for US$ 126,102.9 Mn in 2025. Factors including the benefits of managing seasonal variations of products driving the Asia-Pacific Contract Logistics market. Many of the businesses experience seasonal fluctuation in customer demand, and it is essential to handle such swings in the industry to maintain efficiency in operations. Contract-based logistics helps seasonal businesses to benefit from a smoother transition between market lows and highs with utilizing more warehouse space and logistic resources. Contract logistics service providers manage the company’s warehousing, distribution, and fulfillment services that help the company’s resources to manage seasonal swings. Thus, the role of contract logistics becomes much more critical are expected to drive the Asia-Pacific market for Contract Logistics. The market players are focusing on various initiatives to enhance its reach to rural areas and boost its position in the Asia-Pacific Contract Logistics market.

The Asia-Pacific Contract Logistics market is fragmented with the presence of several industries and the competitive dynamics in the market is expected to change during the upcoming years. In addition to this, various initiatives are undertaken by the governmental bodies to accelerate the Asia-Pacific Contract Logistics market further.

North America Contract Logistics Market to 2025 - Regional Analysis and Forecasts by Type ; Services ; and End-user

Published by The Insight Partners

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www.giiresearch.com/ce/834523

The North America Contract Logistics market accounted for US$ 50,984.7 Mn in 2017 and is expected to grow at a CAGR of 3.9% over the forecast period 2018-2025, to account for US$ 68,729.1 Mn in 2025. Factors including instantaneous growth of manufacturing industry and profits in handling seasonal variations of products driving the North America Contract Logistics market. The manufacturing industry is presently found to be in the middle of a technological renaissance, which is changing the outlook, systems, and processes of the modern factory. The 21st century is characterized by cut-throat competition in all the industry sectors. The manufacturers of various products face stiff competition with their competitors on account of costs, quality, service, and time-to-market. Also, manufacturers have faced significant challenges concerning maintaining a perfect balance between the demand and supply of the product in the diverse geographies are expected to drive the North America market for Contract Logistics. The market players are focusing on various initiatives to enhance its reach to rural areas and boost its position in the North America Contract Logistics market.
The global market is estimated to grow from 8,955 units by 2022 at a CAGR of 36.4% to reach 107,380 units by 2030. The consistent rise in emissions by automobiles has forced the usage of ecofriendly vehicles which also comply with the stringent emissions norms regulated by various governments. Also, major OEMs are focusing on developing zero-emission vehicles to reduce the use of fossil fuels and their subsequent emissions. These factors are anticipated to push the growth of the market. However, low operational efficiency of these vehicles is considered to be a major restraint for the growth of the market.

"BEV is the largest electric vehicle segment of the solar vehicle market during the forecast period."

BEV is a pure electric vehicle in which the battery acts as a prime source of power for propulsion. Thus, the architecture of BEV is the most suitable for integrating solar panels to charge its battery through solar energy. Although, certain limitations such as time to recharge had made the BEV segment a less adopting variant. However, charging through photovoltaic cells could likely reduce the charging time and push the growth of the market. Therefore, the increase in the efficiency of BEVs through photovoltaic cells is the principal factor responsible for the growth of the BEV segment during the forecast period.
The global integrated traffic systems market is projected to grow from USD 22.7 billion in 2019 to USD 37.5 billion by 2025, at a CAGR of 8.7%. Rising income levels have increased the demand for personal mobility and led to a rise in road traffic in major cities across the globe, which has increased the demand for advanced traffic systems such as integrated traffic systems. The increasing demand for reduction in average traffic speed will fuel the growth of the integrated traffic systems market. However, initial investments in existing road infrastructure and its capital-intensive nature are inhibiting the growth of the market.

"Intelligent traffic lightings market to grow at a significant rate during the forecast period."

Intelligent traffic lightings segment is estimated to be the fastest growing segment of the integrated traffic systems market during the forecast period. The demand for reduction in waiting time at the traffic junction is high in developed countries such as the US, the UK, Germany, and Japan. As intelligent traffic lightings are adaptive in nature, they change the waiting time for each junction by understanding the pattern of the traffic and reduces the average waiting time and subsequently reduces the journey time of commuter. Intelligent traffic lightings have reduced the average travel time by 20% which also led to decreasing emission level by vehicle. These types of benefits have driven the increasing demand for intelligent traffic lightings systems.

This report focuses on the Automotive OLED Lighting in global market, especially in North America, Europe, Asia-Pacific, South America, Middle East & Africa. This report categorizes the market based on manufacturers, regions, types and applications.
Global Car Navigation Systems Market Report, History and Forecast 2014-2025, Breakdown Data by Manufacturers, Key Regions, Types and Application

Published by QYResearch

Pub. Date 2019/04/29

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www.giiresearch.com/ce/829709

Car Navigation Systems is a satellite navigation system design. It uses the Global Positioning System (GPS) to attain the user's position data and locates them on the road in the system's map database. GPS is a radio positioning system combining computer mapping techniques depending on the information time as well as the velocity for providing three-dimensional positions to appropriately equip the users anywhere on or near the surface of the earth.

Global Car Navigation Systems sales market is estimated to grow with 8.08 % CAGR during the forecasting years of 2018-2025.

The following factors drive the growth of this market:

• Increase in the number of vehicle sales worldwide
• Increasing demands from the dependent sectors
• Demand for real-time traffic data

This report studies the Car Navigation Systems market size (value and volume) by players, regions, product types and end industries, history data 2014-2018 and forecast data 2019-2025; This report also studies the global market competition landscape, market drivers and trends, opportunities and challenges, risks and entry barriers, sales channels, distributors and Porter's Five Forces Analysis.
**Global Off-Highway Vehicle Telematics Market: Focus on Technology, Applications, Industry Adoption, Component, Key Players, Supply Chain, Market Share, Regional Activity, Connectivity Type and Fitment Type - Analysis and Forecast 2019-2029**

Global Off-highway Vehicle telematics Market to Reach $2.82 billion by 2029, Reports BIS Research

Telematics-based solutions have witnessed high traction due to a high demand for efficient smart solutions to manage services or products. The automotive industry is currently leading the connected infrastructure innovation with foreseeable prospects of the vehicle to everything (V2X) communications. Advanced communication and Internet of Things (IoT) solutions enabled by global network operators have fostered considerable development in the field. Off-highway vehicle (OHV) primarily has applications in three industries among others --construction, agriculture, and mining.

The report explores the off-highway vehicle (OHV) telematics market by components, by fitment channel, and by Industries. Telematics is the integration of off-highway vehicle with telecommunication and data exchange capabilities. The report includes information on off-highway vehicles that fall in the category of heavy equipment which have the capability to operate on a non-tarmac ground. The report compiles a detailed analysis of global off-highway vehicle telematics market in terms of futuristic industrial applications. The market is driven by factors such as growing safety and security concerns in the OHV segment, demands for smart services and customer support, and efficient machine operation and reduced overhead cost.

**Advanced Gear Shifter System Market for Automotive by Technology (Automatic Shifter, Shift-by-Wire), Component (CAN Module, ECU, Solenoid Actuator), Vehicle Type (Light Duty Vehicles, Commercial Vehicles), EV Type, and Region - Global Forecast to 2025**

"Increasing use of x-by-wire technology in vehicles, increasing sales of mid-size and premium vehicles, and increasing use of energy-efficient electric vehicles to fuel the demand for the advanced gear shifter system market"

The global advanced gear shifter system market is projected to grow at a CAGR of 7.91% during the forecast period, from USD 10.5 billion in 2018 to USD 17.8 billion by 2025. Increasing use of x-by-wire technology and advantage of accurate and quick responding gear actuation are driving the advanced gear shifter system market. However, less reliability and more complexity of an advanced shifter is a restraining factor for the advanced gear shifter system market. Increasing preference for automatic and hybrid transmission in developing countries and haptics shifters in future vehicles are expected to create opportunities for the advanced gear shifter system market in the coming years. On the other hand, developing automotive industry in emerging markets can pose challenges for the advanced gear shifter system market.
South Africa automotive trailer wheel rims market is expected to generate an absolute dollar opportunity of US$ 2.3 Bn during the forecast period of 2018-2026. This is owing to increasing heavy vehicle production in the country, which was 25,162 in 2017 and reached 27,493 in 2018, according to International Organization for Motor Vehicle Manufacturers. Moreover, the government of South Africa has planned to increase the production of automotive components, medium and heavy commercial vehicle production to 1.2 billion units per year by 2020, according to Coherent Market Insights' analysis.

Market Dynamics

Trailer wheel rims is expected to witness significant adoption in the road transport & logistics applications during the forecast period. In South Africa, road transportation sector is considered as the backbone of the country’s economy. Moreover, increasing demand for heavy vehicles in transportation and logistics sector of the country is propelling demand for heavy vehicle production and thus, increasing the demand for automotive trailer wheel rims in South Africa. In addition, the demand for alloy wheel rims is becoming a trend, owing to its light weight and fuel efficient properties, and also its attractive physical appearance through its design.

Global Motor Lamination Market 2019-2023

The rise in the number of transformer installations is one of the key factors expected to trigger the motor lamination market growth during the forecast period. The rise in industrial development and urbanization in the emerging economies including India, China, Vietnam, and Thailand have further led to a high demand for electricity. In addition, factors including the increase in installation of new transformers and the replacement of old transformers with the new ones will eventually fuel the demand for motor lamination used in the transformers. Technavio’s analysts have predicted that the motor lamination market will register a CAGR of almost 6% by 2023.

Market Overview

Increasing adoption of automotive motors

The reduction in the price of hybrid passenger cars, technological improvements in hybrid and electric cars along with government initiatives will likely increase the adoption of automotive motors. This will boost the demand for motor lamination.

High failure rate of electronic components

Any failure caused due to any system or a component will have a negative impact on the other systems, subsystems, and components. Thus, the growth of the global motor lamination will be hampered due to such electronic failures.
The increase in electronics and safety requirements in electric vehicles is one of the key factors expected to trigger the electric vehicle relays market growth during the forecast period. The rising demand for relays is being further supported by the increasing requirement for safety components including anti-locking systems (ABS), electronic brakeforce distribution (EBD), and airbags among others. As a result, the growing number of applications in electric vehicles will result in the global electric vehicle relays market growth in the forthcoming years. Technavio's analysts have predicted that the electric vehicle relays market will register a CAGR of over 33% by 2023.

Market Overview

Increasing adoption of battery electric vehicles and plug-in hybrid electric vehicles

Advances in charging systems have enhanced the adoption rate of battery electric vehicles and plug-in hybrid electric vehicles and will drive the global electric vehicle relays market during the forecast period.

Supply-demand imbalance amid demand uncertainties across the supply chain

Supply-demand imbalances caused amid demand uncertainties in electric vehicle and small electric and electromechanical part supplies, including resistors, inductors, sensors, and relays, are expected to challenge the global electric vehicle relays market during the forecast period.
Automotive Floor Mats Market - Size, Share, Outlook, and Opportunity Analysis, 2018-2026

Published by Coherent Market Insights

Price
USD 4500 PPT Turned PDF (Single User License) ~
USD 10000 PPT Turned PDF (Enterprise User License)

Automobile floor mats are specifically designed to protect a vehicle’s cabin floor from dirt and wear. One of the major uses of automobile floor mats is to keep the car cabin floor clean. Most floor mats can be easily removed for cleaning and then replaced. Some floor mats require fixation points to ensure they remain fixed in the position.

Automotive dealers generally include automotive floor mats with the purchase of a vehicle as interior car accessories. Increasing automobile production, evolving automobile aftermarket services, changing consumer preference towards safety as well as comfort are some of the factors leading to increasing adoption and sales of automotive floor mats. This is turn is expected to boost growth of the global automotive floor mats market over the forecast period.

Market Dynamics

Increasing use of materials such as rubber, plastic, textile, and nylon in the automotive sector is expected to drive the automotive floor mats market growth over the forecast period. The automotive flooring products segment for Heavy Commercial vehicles (HCVs) accounted for the largest share and is expected to continue the trend, owing to increasing production and demand for HCVs in emerging economies such as China, India, Mexico, Indonesia, and Brazil. These factors are expected to drive the market growth during the forecast period.
Automotive Human-Machine Interfaces: AI-Based Voice-Enabled Virtual Assistants, Emotion Recognition, Gesture Control, and 3D Augmented Reality - Global Market Analysis and Forecasts

Published by Tractica
Price
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As vehicles grow increasingly connected and become packed with sensors, artificial intelligence (AI)-based technologies have the potential to play a significant role in the human-machine interface (HMI). Voice-enabled smart assistants for car controls, infotainment, and more will likely become the leading HMI in the coming era of the connected car. With momentum and regulatory demand for driver and occupant monitoring, emotion recognition and gesture recognition will become more prominent elements of HMI. Due to increasingly sophisticated computer vision algorithms, onboard compute power, and next-generation windscreen and other display technology, 3D augmented reality (AR) will become an integral component of the connected car experience.

For the connected car, AI-based HMI focuses on driver controls, driver/occupant monitoring/safety, and infotainment. For Level 5 autonomous vehicles, AI-based HMI focuses on occupant monitoring and infotainment. Most experts believe the connected car market will, with the help of aftermarket devices, grow rapidly for a number of years, then slowly decline. The fully autonomous vehicle era will likely grow more slowly due to regulatory and technical challenges. It will eventually eat away at connected car market share to a point where autonomous vehicle transportation represents the majority of the automotive market. Fast-forward several years to when humans become passengers and vehicles become moving entertainment centers in the autonomous vehicle era, and AI-based automotive HMI technologies will prove invaluable and morph into different use cases.

The Evolving Role of the Smartphone in Connected Vehicle Use Cases

Published by IDC
Price
USD 4500 PDF by E-mail (Single User License)

This IDC Market Perspective investigates the smartphone’s role in the development and delivery of current and future connected vehicle use cases. This document includes background and perspective on the modern smartphone, analysis of connected vehicle use cases and their influence in vehicle purchasing, emerging relevant technology trends and investments, review of the current and future role of the smartphone for each use case, and guidance for automotive manufacturers and technology suppliers. "The smartphone has revolutionized how consumers discover and experience technology, including within vehicles,” says Matt Arcaro, research manager, Next-Generation Automotive, at IDC. “Technology suppliers and automotive manufacturers need to understand how best to leverage smartphone and its ecosystem to reduce cost and drive customer value.”

TABLE OF CONTENTS

• Executive Snapshot
• New Market Developments and Dynamics
• Advice for the Technology Supplier
• Learn More
Global Road Transportation Fuel Market 2019-2023
Published by TechNavio (Infiniti Research Ltd.)
Price
USD 2500 PDF by E-mail (Single User License) ~
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The rising urbanization and industrialization are one of the key factors expected to trigger the road transportation fuel market growth during the forecast period. Urban growth and transportation are often related to each other as urban population growth increases demand for travel, while urban development encompasses the development of transportation infrastructure. Furthermore, population and economic growth are major drivers impacting the road freight activity, in turn, increasing the road transportation fuel market growth in the forthcoming years. Technavio's analysts have predicted that the road transportation fuel market will register a CAGR of close to 2% by 2023.

Market Overview

Rising fuel supply
Increasing oil and gas exploration and production activities and rising refinery throughout will increase the supply of transportation fuels, thereby promoting the growth of the market in focus during the forecast period.

Fluctuations in global oil and gas prices
Fluctuations in crude oil prices affect the pricing of refinery products. This has a significant impact on the oil and gas downstream sector as well as investors. The supply and prices of road transportation fuels get impacted negatively, which pose a challenge to the market.

Light Vehicle Leasing Market in France, Forecast to 2022
Published by Frost & Sullivan
Price
USD 3000 Web Access (Regional License)

Fleet Leasing Providers Attract New Business from SMEs and Individuals Through Flexible Leasing Models. They Strive to Evolve Themselves into Mobility Providers and Push Fleet Management from a TCO to a TCM Based Approach

Vehicle leasing is seen as a solution to the growing number of challenges faced by companies with regard to their mobility needs. Amongst others, these include challenges associated with vehicle funding, fleet maintenance, and, more importantly, residual risk handling. Businesses in the present market conditions are focused on their core products/services and seek to outsource all other support activities.

Mobility is a significant department-starting from fleet purchase to remarketing at a competitive price-and for each of the segments in the value chain, unless an expert team is on the job, issues such as cost spikes, utilization mismatches, irregularities in fleet maintenance, and risks of dips in residual value can crop up. This study sheds light on the market size across passenger vehicle (PV) and light commercial vehicle (LCV) segments and provides sales/parc data for the total market and fleet and company car (true fleet) segments. The company car segment is discussed in detail, with a focus on the actual development and the growth potential of financial lease, operational lease, and outright purchase.
Fleet Leasing Providers Strive to Tap New Business from the Lucrative SME Fleet Customer Segment. xEV Leasing Poses Great Potential as Austria Continues to Support Sales of Low Emission Vehicles

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Omnichannel Presence, with a Profitable Mix of New Retail Formats, which Leverages Digital Solutions is Expected to be Central to a Successful Customer Retail Strategy

The automotive retail market in Brazil is at the helm of change and is currently being disrupted by a number of transformative shifts, such as newer dealership formats (pop-up stores, experience outlets, online vehicle commerce, virtual live stores), and omnichannel (online-to-offline customer journeys, digital technologies, newer vehicle financing solutions, such as vehicle subscriptions/leasing), new business models in the aftermarket, and personalized customer engagement.

The customer journey is changing, and every section of this journey, from the "consider and research" phase, to the "retention" phase is witnessing innovative solutions/features/strategies. The focus is shifting toward customer-centric solutions, and building an experience/relationship with the user that is cyclic and recurring. Physical stores and offline customer journeys will continue to be central to the future automotive retail process in Brazil. However, these are being drastically affected by disruptions, thereby encouraging changes in role, function, structure, and process flows.
The UK Leasing Industry, which was in a strong position in 2016, is now clearly out of line with most of Europe and is expected to face decline in new business for next 2 years due to the uncertainty brought in by Brexit.

Vehicle leasing is seen as a solution to the growing number of challenges faced by companies with regard to their mobility needs. Amongst others, these include challenges associated with vehicle funding, fleet maintenance, and, more importantly, residual risk handling. Businesses in the present market conditions are focused on their core products/services and seek to outsource all other support activities.

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The Polish Corporate Car Market is expected to grow at CAGR of 8.7% by 2022 driven by the increasing uptake of full-service operational leasing and shift towards fleet management outsourcing by the SME segment.

Vehicle leasing is seen as a solution to the growing number of challenges faced by companies with regard to their mobility needs. Amongst others, these include challenges associated with vehicle funding, fleet maintenance, and, more importantly, residual risk handling. Businesses in the present market conditions are focused on their core products/services and seek to outsource all other support activities.

Mobility is a significant department—starting from fleet purchase to remarketing at a competitive price—and for each of the segments in the value chain, unless an expert team is on the job, issues such as cost spikes, utilization mismatches, irregularities in fleet maintenance, and risks of dips in residual value can crop up. This study sheds light on the market size across passenger vehicle (PV) and light commercial vehicle (LCV) segments and provides sales/parc data for the total market and fleet and company car (true fleet) segments.
The Rubber Transmission Belt market is estimated to represent a global market of USD 3.44 billion by 2017 with growth rate of 2.8%.

Market Dynamics

The global rubber transmission belt industry is majorly driven by the introduction of advanced technology based products. For instance, in 2016, Yokohama Rubber Company Limited introduced fabric belt with new technology in order to improve heat resistance with mechanical joints. This proposed report presents the global market size (revenue) of key companies in Rubber Transmission Belt business.

This report also presents a comprehensive industry overview, market shares, and growth opportunities of Rubber Transmission Belt market by type, application, key regions and countries and key manufacturers. Additionally, this report discusses risks faced by key manufacturers and the market as a whole. It also analyses key emerging trends and their impact on present and future industry development.
The plug-in EV (PEV) market is growing quickly and threatens to displace conventional vehicles in once considered off-limit segments like heavy duty vehicles and pick-up trucks. Continued success of PEVs is fueling a rapid population increase that will require significant investments in charging infrastructure. Globally, the number of PEVs in use exceeded 5 million in 2018; by 2030, Navigant Research expects 127 million in-use PEVs. Much of the growth is expected to occur in the latter half of the 2020s.

To support this surging population, the EV charging industry is predicted to mature rapidly and become increasingly competitive. Investments and acquisitions from major energy companies will drive a surge in public charger deployments and commercialization of the next wave of chargers that can provide smarter, faster, and more convenient charging services. The nature of PEV energy demand is expected to change and the capability of grid operators to influence demand is anticipated to improve. Vehicle grid integration (VGI) technologies will likely continue to mature and grid regulatory structures are expected to evolve, creating opportunities for charge point operators (CPOs) and companies providing charger management platforms.

This Navigant Research report provides an overview of the current state of the global EV charging industry. The study covers global EV charging technologies, the market drivers and challenges, the competitive landscape, and the extent the market is likely to grow over the next decade given the momentum of global PEV markets. Global market forecasts for charger sales, installation, services, and energy consumption extend through 2030. The report also assesses the key emerging market and technology trends.
This report addresses the current status of the Intelligent Transportation Systems (ITS), their structure, major applications, standardization and markets. The Intelligent Transportation Systems aim to improve the economy by reducing the number of road accidents, the amount of car air pollutions and making smooth flow of the traffic.

The advances in the ITS are presently tied with the development of a "connected car" (CC) - a moving car that is wirelessly connected with surrounding cars and the infrastructure (as well as support connectivity inside of a car). Such a car opens a spectrum of new and exciting opportunities for automakers, service providers and users.

CC programs are now under development all around the globe. Though there are many technological choices to support CC communications, two technologies are leading at the present time. They are:

• 5.9 GHz DSRC, and
• C-V2X.

The report concentrates on those leaders; and analyzes their characteristics, parameters, marketing statistics, industries and the spectrum of applications. It also compares these technologies and their applicability to CC communications.
ATV tires cannot be replaced by other types of tires, because there are no substitutes for ATV tires. They have unique tread designs, grooves, tread depths, which make them stand apart from other tires. Owing to advantages of tire design and manufacturing technology are further raising ATV tire manufacturing costs, and thereby driving the market. Technavio’s analysts have predicted that the all-terrain vehicle (ATV) tires market will register a CAGR of nearly (1%) by 2023.

Market Overview

Growing demand for ATV tires in APAC

APAC is the fastest growing automotive market globally, let by economic powerhouses such as China, India, Indonesia, Malaysia, and Thailand. It promises strong potential for the growth of ATV tire market. This positive outlook is encouraging prominent ATV manufacturers to enter emerging markets in APAC to leverage growth opportunities.

Challenges in ATV tire manufacturing process

Challenges related to tire manufacturing process includes automation, design, cost optimization, and safety which will act as market inhibitors. Safety factors will hinder the growth of the market. These vehicles are exposed to rough terrain and adverse environmental conditions for which safety requirements and quality of the tires must be maintained.
Global Automotive Electrically Adjustable Outside Rear View (ORVM) Mirror Market 2019-2023

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USD 5000 PDF by E-mail (Global License)

www.giiresearch.com/ce/827308

The increase in the production of passenger vehicles is one of the key factors expected to augment the automotive electrically adjustable ORVM market growth during the forecast period. The global production of passenger vehicles has increased serving the base for the growth of the market. Automotive electrically adjustable ORVMs are often being offered as standard fitments in the mid-segment and premium segment passenger vehicles. In addition, owing to the increase in competition, product offerings, and focus on product differentiation by automotive OEMs, several budget cars are being sold in China and India, in turn, contributing to the market growth. Technavio’s analysts have predicted that the automotive electrically adjustable outside rear view mirror market will register a CAGR of almost 7% by 2023.

Market Overview

Increasing demand for electrically adjustable ORVMs with advanced functionalities

One of the growth drivers of the global automotive electrically adjustable outside rear view (ORVM) mirror market is the increasing demand for electrically adjustable ORVMs with advanced functionalities. The growing integration of advanced features in electrically adjustable ORVMs is helping in driving the growth of the market during the forecast period.
Increasing vehicle sales along with rising preference of consumers to opt for vehicles with enhanced aesthetics and technologically advanced features are driving the automotive sunroof market. Improvements in glass technologies along with the increasing adoption of scratch resistant and toughened unbreakable glass are gaining prominence in the industry.

Industry players are continuously investing in R&D for developing advanced safety features for sunroofs for expanding their business share. For instance, in 2017, Hyundai Mobis unveiled its panoramic sunroof airbag system, that offers improved protection to the passengers and driver in the event of a crash, thereby boosting the automotive sunroof market.

Technology advancements including the incorporation of sensors and components for facilitating automatic sunroof operation are positively influencing the automotive sunroof market share. Additionally, automobile OEMs are integrating advanced components, that operates the sunroofs automatically, upon the detection of rain.

The rising sales of electric vehicles are enabling automobile OEMs to incorporate solar panels and recharging capabilities in sunroofs for improving vehicle driving range and reduce charging time significantly. Additionally, the advanced protection from UV rays and appropriate glass tinting further accentuates the automotive sunroof market over the projected timeframe.
This report analyzes and forecasts the market for automotive seat belt height adjuster at the global and regional level. The market has been forecast based on value (US$ Mn) and volume (million units) from 2019 to 2027. The study includes drivers and restraints of the global automotive seat belt height adjuster market. It also covers the impact of these drivers and restraints on the demand for automotive seat belt height adjuster during the forecast period. The report also highlights opportunities in the automotive seat belt height adjuster market at the global and regional level.

The report comprises a detailed price trend analysis, government regulatory scenarios, value chain analysis, which provides a comprehensive view of the global automotive seat belt height adjuster market. The Porter’s Five Forces model for the automotive seat belt height adjuster market has also been included to help understand the competitive landscape in the market. The study encompasses market attractiveness analysis, wherein end-users are benchmarked based on their market size, growth rate, and general attractiveness.

The study provides a decisive view of the global automotive seat belt height adjuster market for vehicles, by segmenting it in terms of technology, seat, vehicle, and region. These segments have been analyzed based on present and future trends. Regional segmentation includes the current and forecast demand for automotive seat belt height adjuster in North America, Europe, Asia Pacific, Latin America, and Middle East & Africa. The report also covers demand for individual seat belt height adjuster segments in all the regions.
Global Automotive All-season Tires Market 2019-2023

Published by TechNavio (Infiniti Research Ltd.)

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USD 5000 PDF by E-mail (Global License)

www.giiresearch.com/ce/827307

The emergence of automotive all-season tires as a short-term cost-effective solution will drive the market growth during the forecast period. All-season tires are finding high demand among the consumers due to their all-round performance, reliability, and durability. In addition, these tires often come with a better warranty in terms of the number of miles covered as compared to conventional tires. Also, these tires offer superior fuel efficiency due to their better all-round performance in different conditions, in turn, boosting the market growth during the forecast period. Technavio’s analysts have predicted that the automotive all-season tires market will register a CAGR of about 5% by 2023.

Market Overview

Short-term cost-effective solution

One of the growth drivers of the global automotive all-season tires market is the short-term cost-effective solution. All-season tires are finding high demand among consumers because of their all-round performance, reliability, and durability which will drive the growth of the market during the forecast period.

Limitations of all-season tires in extreme summer/winter season

One of the challenges in the growth of the global automotive all-season tires market is the limitations of all-season tires in extreme summer/winter season. All-season tires perform below average in extreme summer and winter conditions in terms of controllability, braking, sliding, and aquaplaning which will hinder the adoption of all-season tires.

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The Electric Rearview Mirror market was valued at xx Million US$ in 2018 and is projected to reach xx Million US$ by 2025, at a CAGR of xx% during the forecast period. In this study, 2018 has been considered as the base year and 2019 to 2025 as the forecast period to estimate the market size for Electric Rearview Mirror.

This study focuses on the production side and consumption side of Electric Rearview Mirror, presents the global Electric Rearview Mirror market size by manufacturers, regions, type and application, history breakdown data from 2014 to 2019, and forecast to 2025.

In terms of production side, this report researches the Electric Rearview Mirror capacity, production, value, ex-factory price, growth rate, market share for major manufacturers, regions (or countries) and product type.

In terms of consumption side, this report focuses on the consumption of Electric Rearview Mirror by regions and application. The key regions like North America, Europe, Asia-Pacific, Central & South America, Middle East and Africa etc.

Worldwide and U.S. Logistics Business Process Outsourcing Services Forecast, 2019-2023

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This IDC study is the first worldwide and U.S. logistics business process outsourcing (BPO) services forecast. This study also includes an analysis of key market and industry trends, market drivers and inhibitors, and essential guidance for logistics BPO service providers to compete effectively in the market. "The logistics BPO market is small and still in its infancy, yet we see BPO providers coming to market with more end-to-end services to drive logistics efficiencies and effectiveness while delivering customer experience. This is being realized through centralized logistics control towers, more predictive and AI-enabled analytics, and reporting services, including compliance reporting. The market could see more traction moving forward, especially from an analytics perspective as it can truly be applied across the value chain, from demand forecasting for orders to inventory and warehouse optimization and route optimization. In addition, we'll see the amount of data being generated from sensors, social media, and mobiles continue to increase, creating a great need for analytics services," says Ali Close, research manager, Finance and Accounting, Supply Chain, and Analytics BPO Services.
Global Low Speed Vehicle Market Insights, Forecast to 2025

Global Low Speed Vehicle market size will reach 12322.45 million US$ by 2025, from 7517.30 million US$ in 2018 at a CAGR of 7.32% during the forecast period.

This industry study presents the global Low Speed Vehicle market size, historical breakdown data (2014-2019) and forecast (2019-2025). The Low Speed Vehicle production, revenue and market share by manufacturers, key regions and type;

The consumption of Low Speed Vehicle in volume is also provided for major countries (or regions), and for each application and product at the global level.

This study also analyzes the market status, market share, growth rate, future trends, market drivers, opportunities and challenges, risks and entry barriers, sales channels, distributors and Porter's Five Forces Analysis.

Air Suspension Market by Vehicle Type (LDV, Truck, Bus), Component (Air Spring, Shock Absorber, Compressor, ECU, Tank, Solenoid Valve, Height & Pressure Sensor), Technology, Cab Suspension, Aftermarket, & Region - Forecast to 2025

The air suspension market is projected to grow at a CAGR of 6.76% during the forecast period, to reach a market size of USD 8.4 billion by 2025 from USD 5.3 billion in 2018. Market growth can be attributed to factors such as increasing demand for luxury buses for long distance traveling and rising disposable income, which in turn boosts the demand for high-end passenger cars. Alternatively, the high development cost of air suspension and growing presence of local suppliers are few concerns of this market.

Semi-trailer is projected to be the largest and fastest growing market for cabin air suspension during the forecast period

The semi-trailer segment is anticipated to be the largest and fastest growing market for cabin air suspension from 2018 to 2025. Semi-trailers are used in extremely harsh and rigorous working environment for off-roading conditions. Therefore, OEMs offer a cabin with air suspension to enhance the cabin experience. Leading OEMs in Europe and North America such as Scania, MAN, Daimler, Volvo, and Paccar offer cabin air suspension in select heavy truck models with GVWR of 30 tons and above. Additionally, with an increasing number of infrastructural projects such as airports, dams, and smart cities and the growth of import-export trade, Asia Oceania would offer lucrative growth opportunities for the cabin air suspension.
**Fleet Management Market by Solution (Operations Management, Vehicle Maintenance and Diagnostics, Performance Management, Fleet Analytics and Reporting), Service (Professional and Managed), Deployment Type, Fleet Type, Region - Global Forecast to 2023**

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www.giiresearch.com/ce/279214

The global fleet management market size is expected to grow from USD 15.9 billion in 2018 to USD 31.5 billion by 2023, at a Compound Annual Growth Rate (CAGR) of 14.7% during the forecast period. The increasing number of cloud- deployments and growing use of big data analytics by organizations worldwide increase the need for the development of advanced fleet management solutions by solution providers. In addition to this, the growing number of fleets in many emerging countries drives the implementation of fleet management solutions in regions.

Among the solutions segment, the fleet analytics and reporting provider segment to grow at the highest CAGR during the forecast period.

Under the solutions segment, the fleet analytics and reporting is expected to grow at a higher growth rate during the forecast period. The fleet analytics and reporting solution assists fleet companies in making smarter decisions by unlocking the business value of information hidden within massive amounts of fleet data. Reporting helps in identifying the fleets with greater maintenance needs by providing intelligence on carbon emissions, vehicle statistics, fuel transactions, and previous maintenance records.

**Replacement Demand Analysis for Passenger Cars and Light Commercial Vehicles' Selected Emission Control and Aftertreatment Components Aftermarket in Europe, 2015-2025**

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This research service covers the Class A-G, MPV, SUV vehicles exhaust aftertreatment aftermarket in terms of volume (in million units) and value (€ billion) across Europe. It discusses unit shipment, revenue, average price, distribution channels, and market shares. The base year for this analysis is 2018, and the forecast period is from 2019 to 2025.

The research report covers the following product categories:

- Diesel Particulate Filter (DPF)
- Diesel Oxidation Catalyst (DOC)
- Exhaust Gas Recirculation (EGR) Valves
- Selective Catalytic Reduction (SCR)

The European passenger vehicle exhaust aftertreatment aftermarket is expected to show steady growth in unit shipment in the coming years. Stringent legislation in Europe post the diesel-gate scandal and low and ultra-low emission zones to control air pollution resulting from emissions will be the main catalyst for this market. New testing standards are also expected to influence this part category.
Global Medium-Heavy Commercial Vehicle Market Outlook, 2019

Global medium-duty (MD) and heavy-duty (HD) trucks sales grew 4.5% in 2018 from 2017 due to sustained growth in top truck markets of North America, China (Heavy duty truck sales stayed above 1 million mark), along with continual growth in India, Brazil, Russia and Indonesia. In 2019, growth in North America, South America, Russia, India, Indonesia is expected to continue to be positive, while China, although over the 1 million mark in 2019, will be a smaller market than in 2018. However, speedy implementation of "Blue Sky" regulations, announced in July 2018, resulting in the rapid phasing out of 1 Million China III compliant trucks in 2019 itself can boost medium-heavy duty (MD-HD) truck sales in 2019.

Electric powertrain, autonomous driving, connected devices and digital services continued to receive great interest (and investor dollars) in 2018 and is expected to continue to rise into 2019. While electric powertrains are beginning to be adopted in niche applications like refuse trucks where their total-cost-of-ownership (TCO) is already lower than diesel powered counterparts, the TCO parity in other applications will take as much as 2025. Autonomous technology too while fast developing with technology giants like NVIDIA throwing their weight behind it combining with start-ups like tuSmiple, drive.ai and Embark, SAE Level4 autonomous is still a decade out.

Europe Third Party Logistics Market to 2027 - Analysis and Forecasts by Mode of Transport, Services, End-User, and Customer,

The Europe Third-party logistics market accounted for US$ 210.0 Bn in 2017 and is expected to grow at a CAGR of 5.2% over the forecast period 2018-2027, to account for US$ 312.5 Bn in 2027. Factors including benefits in managing seasonal variations of products driving the Europe Third-party logistics market. Third party logistic (3PL) firms have diversified resource network which helps core companies to expand quickly and efficiently in a cost-effective manner. Depending on the needs of core companies, 3PL possess the capability to scale labor, space, and transportation needs irrespective of the fluctuation in inventory. 3PL firms deliver adequate resources and flexibility in services even in case of seasonal inventory or new product release. Many of the businesses experience seasonal fluctuation in customer demand, and it is essential to handle such swings in business to maintain efficiency in operations. The market players are focusing on various initiatives to enhance its reach to rural areas and boost its position in the Europe Third-party logistics market.

The Europe Third-party logistics market is fragmented with the presence of several industries and the competitive dynamics in the market is expected to change during the upcoming years.
The APAC Third-party logistics market accounted for US$ 298.7 Bn in 2017 and is expected to grow at a CAGR of 5.9% over the forecast period 2018-2027, to account for US$ 467.5 Bn in 2027. Factors including benefits in increasing focus of manufacturing companies towards reducing assets and emphasize on core business driving the APAC Third-party logistics market. The services offered by 3PL firms add substantial value to the manufacturing companies. These firms help different companies to reduce weak points that outcomes in loss of revenue or profits and further help to assure maximal profitability. 3PL companies specialize in several logistics operations which offer network analysis, mode network optimization, warehousing, management of vendor compliance, and other logistics operations. In contrast with this, it is challenging for the core companies to gain such logistic expertise such as inventory management & storage, contract packaging, assembly needs, or shipping, etc. in every business division. Thus, choosing a 3PL firm, the company is opting for experts in logistics. The market players are focusing on various initiatives to enhance its reach to rural areas and boost its position in the APAC Third-party logistics market.

The North America Third-party logistics market accounted for US$ 168.4 Bn in 2017 and is expected to grow at a CAGR of 6.0% over the forecast period 2018-2027, to account for US$ 266.1 Bn in 2027. Factors including a focus on managing timely delivery along with reducing overall operational cost driving the North America Third-party logistics market. 3PL eliminates the need to invest in technology, warehouse space, transportation, trained staff to execute the logistics process. Additionally, hiring the third party firms is more cost-effective than investing in own logistic operations. Thus, reducing overall operational cost and managing timely delivery are expected to drive the North America market for third party logistics. The market players are focusing on various initiatives to enhance its reach to rural areas and boost its position in the North America Third party logistics market.

The North America Third-party logistics market is fragmented with the presence of several industries and the competitive dynamics in the market is expected to change during the upcoming years. In addition to this, various initiatives are undertaken by the governmental bodies to accelerate the North America Third-party logistics market further.
Global Truck-as-a-Service Market 2019-2023

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USD 5000 PDF by E-mail (Global License)

www.giiresearch.com/ce/827298

Digital transformation in trucking industry will be a key factor driving the growth of the market. The digital transformation in trucking industry is on rise as OEMs and technology suppliers are recalibrating their business strategies. The truck manufacturers are focusing on leveraging technologies. Implementation of various technologies such as implementation of telematics in trucking services is likely to fuel the market during the forecast period. Technavio’s analysts have predicted that the truck-as-a-service market will register a CAGR of nearly 22% by 2023.

Market Overview

Growth of e-commerce industry

The global truck-as-a-service market is witnessing the growth of e-commerce industry owing to the high penetration of internet and increased number of smartphone users. The growth in online shopping has a direct impact on the global truck-as-a-service market. E-commerce is generating more freight that moves by truck, which includes drayage, truckloads or last-mile. Thus, with the growth of e-commerce industry the demand for truck as a service increases.


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Rising automobile sales along with increasing consumer preference towards improved vehicle aesthetics of vehicles are driving the automotive paints & coatings market over the study timeframe. The benefits offered by the paints including protection to the vehicle base material from corrosion along with improved finishes further expands the market. Additionally, the proliferating vehicle customization alternatives based on color and graphic schemes further accelerates the business share.

Increasing preference for refurbishment and repair services owing to rising cases of accidents and crashes are boosting the revenue generation. Additionally, customers prefer to restore their vehicles to the original aesthetic and working condition, thereby accentuating the market over the study timeframe.

Industry players are continuously investing in R&D for developing advanced environmentally friendly paints with focus on minimizing the VOC content. Moreover, major automobile OEMs are continuously innovating their product portfolio with improved paints and coatings with a focus on superior body finishes, minimizing the occurrence of scratches and color fading.

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USD 4950 Web Access (Regional License)

Alternate Powertrain Truck Sales Including Natural Gas (NG) and Electric Vehicle (xEV) to Reach 925,000 Units in 2025

China owns the largest automotive market globally. The Chinese commercial truck market is expected to experience a slight negative growth at a compound annual growth rate (CAGR) of 0.4% during 2017-2025. This is mainly due to High base effect of HD vehicles in 2017. The high sales was due to new replacement demand and anti-overloading policy On the competitive front market which is highly concentrated and led by Foton, Dongfeng, JAC, FAW, and CNHTC in China, with a joint market share of 53.7% across light-duty, medium-duty, and heavy-duty truck segments in 2017.

Digital freight brokerage, rise of Chinese trucks, and new energy powertrain are the key growth opportunities that will drive demand for trucks during the long term. Rise of E-commerce to improve logistics service and fleets' driving experience in China.

In the next 3-4 years the implementation of China VI regulations across light, medium and heavy duty trucks will see the advent of advanced diesel engine technologies and alternate powertrain options from leading Chinese OEMs.

Tire Cord Fabrics Market by Material (Nylon, Polyester, Rayon, Aramid, Polyethylene Naphthalate), Tire Type (Radial Tire, Bias Tire), Application (OEM, Replacement), Vehicle Type (Passenger Cars, Commercial Vehicles) - Global Forecast to 2023

Published by MarketsandMarkets

Price
USD 5650 PDF by E-mail (Single User License) ~ USD 10000 PDF by E-mail (Global License)

The tire cord fabrics market is estimated to be USD 4.9 billion in 2018 and is projected to reach USD 6.4 billion by 2023, at a CAGR of 5.59% between 2018 and 2023. The tire cord fabrics market is largely driven by the increase in vehicle usage, globally. Over the years, the automotive industry has witnessed significant growth in vehicle production and sales. As per OICA, global vehicle production in 2017 was approximately 97 million units. Currently, the automotive industry is witnessing a period of substantial growth in APAC and North America, among other regions, and the annual sales of vehicles have increased, significantly. According to OICA, the passenger car segment accounted for more than 50% of the total vehicle usage in 2017. Growth in vehicle usage is backed by increasing population, purchasing power, improving lifestyles and standard of living, and developing infrastructure sector. With improvements in the infrastructure sector and connectivity, and increased passenger car sales, the demand for light-duty vehicles is set to increase. On the other hand, increased spending on construction and growing mining activities will boost the demand for heavy vehicles. Hence, the increase in vehicle usage is expected to boost tire demand, thereby, driving the tire cord fabrics market during the forecast period. However, fluctuating raw material prices is a major restraint for the growth of the market.
Rising preference of automobile OEMs to lower vehicle weight for improving fuel efficiency along with lowering carbon emissions are driving the magnesium wheel market over the forecast timeframe. The benefits offered by these wheels including superior strength to weight ratio and lower weight with higher damping capacity are further supporting the product demand.

Magnesium wheels offer enhanced thermal conductivity that enables easier heat dissipation compared to the traditional wheels. Additionally, these wheels offer smoother ride quality and softer cushioning capabilities, thereby contributing significantly toward improving the driving conditions in uneven and bad roads.

Governments across the globe are continuously encouraging the development of magnesium for usage in multiple automotive applications. For instance, in North America the Magnesium Vision 2020 project focuses on encouraging investments in R&D for developing durable and reliable magnesium materials for use in automotive applications. Additionally, the program also deals with the addressing of issues related to the corrosion, fastening, and fire related issues for magnesium.

Repairs and replacements along with upgradation of existing car wheels with advanced magnesium wheels are boosting the revenue share over the study timeframe. Consumers also opt for specialized designs and customized tires depending on their requirements, thereby expanding their market size. Moreover, the improved aesthetics and improved performance offered by these wheels provides a positive outlook for the market share expansion.

The Automotive Hydroformed Parts are expected to grow at a CAGR of 9.6% from 2839.40 million USD in 2018 to reach 5401.17 million USD by 2025 in India and Asia market.

The major players in Automotive Hydroformed Parts market include

- Magna International
- Tenneco
- Yorozu
- SANGO
- F-TECH
- KLT Auto
- Right Way
- Busyu Kogyo
- Electropneumatics
- TIMF
- Metalsa
- Thyssenkrupp
- Vari-Form
- Tata Precision Tubes
- Salzgitter Hydroformin
- Alf Engineering
- Nissin Kogyo
- Showa Rasenk
- Pliant Bellows
This report researches the worldwide Automotive Aluminum Wheel market size (value, production and consumption) in key regions like North America, Europe, China, Japan and other regions.

This study categorizes the global Automotive Aluminum Wheel breakdown data by manufacturers, region, type and application, also analyzes the market status, market share, growth rate, future trends, market drivers, opportunities and challenges, risks and entry barriers, sales channels, distributors and Porter's Five Forces Analysis.

The following manufacturers are covered in this report:

- CITIC Dicastal
- Superior Industries
- Iochpe-Maxion
- Wanfeng Auto
- Topy Group
- Zhejiang Jinfeng
- YHI
- Zhongnan Aluminum Wheels
- Ronal Wheels
- Borbet
- Alcoa
- Lizhong Group
- Enkei Wheels
- Accuride
- Yueling Wheels

Vehicle Roadside Assistance Market - Global Industry Analysis, Size, Share, Growth, Trends, and Forecast, 2019 - 2027

This report analyzes and forecasts the market for vehicle roadside assistance at the global and regional level. The market has been forecasted based on value (US$ Mn) from 2019 to 2027. The study includes drivers and restraints of the global vehicle roadside assistance market. It also covers the impact of these drivers and restraints on the demand for vehicle roadside assistance Service during the forecast period. The report also highlights opportunities and future scope in the market at the global and regional level.

The report comprises a detailed value chain analysis, which provides a comprehensive view of the global vehicle roadside assistance market. The Porter's Five Forces model for the market has also been included to help understand the competitive landscape in the market. The study encompasses market attractiveness analysis, wherein the service is benchmarked based on market size, growth rate, and general market share.

The study provides a decisive view of the global vehicle roadside assistance market by segmenting it in terms of service, provider, vehicle, and region. These segments have been analyzed based on present and future trends. Regional segmentation includes the current and forecast demand for vehicle roadside assistance in North America, Europe, Asia Pacific, Latin America, and Middle East & Africa. The report also covers the demand for individual segments in all major countries across all the regions.
The favorable incentive programs for green energy vehicles is one of the key factors expected to trigger the market's growth in the forthcoming years. Several government bodies across the globe are leveraging innovative programs for promoting the adoption of green energy vehicles, including fuel cell vehicles. Green energy vehicles reduce air pollution significantly as they do not emit harmful pollutants including particulates, carbon monoxide, hydrocarbons, and volatile organic compounds. In addition, the government's initiatives for encouraging OEMs in shifting their focus toward manufacturing green energy vehicles will eventually contribute to the fuel cell commercial vehicle market growth during the forecast period. Technavio's analysts have predicted that the fuel cell commercial vehicle market will register a CAGR of nearly 60% by 2023.

Market Overview

Decreasing fuel cell cost

One of the growth drivers of the global fuel cell commercial vehicle market is the decreasing fuel cell cost. Reducing fuel cell costs are seen as a crucial market driver as this will help OEMs to develop vehicles based on fuel cell technology at lower costs.

For the automotive sector, night vision system is of little value and seems like "chicken ribs" - tasteless when eaten but a pity to throw away.

In function, night vision system is a special solution for automobiles now that it enables a vehicle to see an object more than 300m ahead at night (compared with a mere 80m offered by headlamps) and gives driver more time to react, ensuring safer driving. ADAS and other technologies (like LiDAR and ordinary optical camera), however, play a part in night driving safety as well. And the stubbornly high price justifies the sluggish demand for night vision systems such as infrared night vision system.

According to the statistics, night vision system was a standard configuration for 58 of vehicle models available on the Chinese market in March 2019, just less than in 2015, of which 18 were Savana (caravans). Audi, Mercedes-Benz and BMW are less enthusiastic about the technology, and just equip it to their luxury models each priced above RMB1 million (a combined 67% of models carrying the system).
The flexitank market is estimated to be USD 366 million in 2018 and is projected to reach USD 912 million by 2023, at a CAGR of 20.0%. The majority of flexitanks are consumed in the food-grade liquids, non-hazardous chemicals, and pharmaceutical liquids applications. Increase in the demand for flexitanks around the globe is primarily driven because of the economic benefits of flexitanks. These include environment-friendly nature, requirement of lesser time and efforts in filling and discharging these tanks, and compatibility with a large number of industrially viable fluids along with reducing risk of cross-contamination of liquids. These tanks are also less expensive as compared to ISO tanks and drums. It saves around 50.0% on packaging cost and can transport 10.0% more cargo than ISO tanks and 30.0% more cargo than drums. Also, as they are single use bags, so there is no issue of its maintenance cost, whereas ISO tanks and drums require proper cleaning after each shipment. Thus, flexitanks are capturing a competitive edge over other alternatives which is favorable for its market growth.

"The food-grade liquids application segment accounted for the largest market share."

The food-grade liquids segment dominates the flexitank market and is expected to register the highest CAGR during the forecast period. Growth in the adoption of flexitanks for food-grade liquids transportation is expected to drive the demand for flexitanks. Edible oils and apple juice are largely exported from the APAC region. Orange juice, wine, and juice concentrates are exported in large quantity from North America, South America, and Europe. Compared to these, food grade liquids and non-hazardous chemicals are traded or exported in less quantity from Europe and North America. This scenario creates the demand for flexitanks from food-grade liquids application segment.
The North America automotive semiconductor market accounted for US$ 7,140.9 Mn in 2017 and is expected to grow at a CAGR of 5.5% over the forecast period 2018-2027, to account for US$ 12,267.9 Mn in 2027. Factors including the increase in automotive manufacturing significantly driving the automotive semiconductor market. However, the integration of advanced semiconductors increases the upfront cost of the vehicle in developing regions are impeding market growth. Bolstering Demand for Electric Vehicles is opportunistic for the growth of the market. The automotive industry has experienced the emergence of several new carmakers over the years. The automotive giants are constantly eyeballing on the electric vehicle segment as the section has attracted several customers across North America. Major players catalyzing the automotive semiconductor market for electric vehicles worldwide include Tesla, BMW, Nissan, Ford, and Volkswagen among others. Electric vehicles consist of several types of semiconductors which enhance the reliability, safety, and performance of the vehicles. As per the International Energy Agency, the global fleet of electric vehicles grew to 3.1 Mn in 2017, marking a 54% growth over the last year. The electrification of automobiles is ushering the automotive industry and the industries associated with it to a greater extent. The market players are focusing on various initiatives to enhance its reach to rural areas and boost its position in the automotive semiconductor market.

In today’s world, while robots have the capability to do some things more efficiently than humans, humans are still much wiser when it comes to real-time decision-making capability. One such application that comes to light is driving and navigation. For example, decisions, such as stopping the vehicle at the right place, watching for a traffic signal at the intersection, or avoiding a split at the last minute, which humans take for granted, are still much harder for robots to make.

In the near future, when cars start driving themselves, they will have to ‘see’ what is around them to maneuver leaving no room for errors. To achieve this, vehicles will not only rely on sensors but will also require machine-readable maps of the world, containing accurate and precise road information. Autonomous vehicles will use sensors to make driving decisions on the fly, but vehicle sensors cannot observe everything all the time. Vehicle sensors can be blinded by corners, other vehicles, or bad weather conditions. Even though the sensors may notice an obstacle, they may not do so early enough to make decisions. In addition, lanes and signs may be missing on the road or knocked over or hidden by bushes, and therefore, can go undetected by sensors. Such accidents will be averted when sensor data will be combined with map data.
The APAC automotive semiconductor market accounted for US$ 16,967.9 Mn in 2017 and is expected to grow at a CAGR of 10.2% over the forecast period 2018-2027, to account for US$ 44,069.1 Mn in 2027. Factors including the rise in automotive manufacturing and continuous partnership of automotive OEMs with semiconductor manufacturers driving the APAC automotive semiconductor market. However, the integration of advanced semiconductors enhances the overall cost of vehicles are impeding market growth. Growing adoption of electric vehicles is opportunistic for the growth of the APAC automotive semiconductor market. The global automotive production as per International Organization of Motor Vehicle Manufacturers accounted for 97.3 Mn in 2017 as compared to 95.1 Mn in 2016. The calculated year on the year growth rate of automotive production was 2.36% from 2016 to 2017. With the increase in automobile manufacturing, the demand for advanced technologies integrated on to the vehicles is simultaneously increasing among the end users. This factor has created a potential market space for various types of semiconductors. In the current automotive market, major manufacturers are integrating their vehicles with technologically enhanced sensors, in order to improve the safety of the vehicles. Apart from sensors, several other types of semiconductors are also being integrated on the newer vehicles, which is paving the path for semiconductor industry players to generate substantial revenue. The market players are focusing on various initiatives to enhance its reach to rural areas and boost its position in the APAC automotive semiconductor market.

Influencing Factors: The automotive composites market is highly dynamic with a number of new product and technology innovations. These innovations are primarily steered by the automotive OEMs that are demanding weight reduction, improved aesthetics, superior mechanical properties, and ease of processability along with cost efficiency. The automotive industry is moving rapidly towards vehicle light-weighting and OEMs are experimenting with a multi-material approach to achieve optimum weight savings and adhere to regional regulations pertaining to vehicle weight, fuel efficiency, and emission norms. Composites represent a vital part of the light-weighting strategy as they are increasingly applied in interiors, exterior structural, as well as under-the-hood applications.
Europe Automotive Semiconductor Market to 2027 - Regional Analysis and Forecasts by Component; Application; Vehicle Type

The Europe automotive semiconductor market accounted for US$ 9,257.4 Mn in 2017 and is expected to grow at a CAGR of 6.6% over the forecast period 2018-2027, to account for US$ 17,613.0 Mn in 2027. Factors including a continuous partnership of automotive OEMs with semiconductor manufacturers driving the Europe automotive semiconductor market. However, the adoption of advanced semiconductors increases the overall cost of the vehicle are impeding market growth. Bolstering Demand for Electric Vehicles is opportunistic for the growth of the Europe automotive semiconductor market. The automotive industry has experienced the emergence of several new carmakers over the years. The automotive OEMs are integrating their vehicle’s dashboards, seats, heating systems as well as mirrors with advanced semiconductors and embedded computers, which is facilitating the semiconductor industry players to design and develop robust technologies. Semiconductors are also integrated into areas such as braking system, induction motor, and battery system among others. The growth of electric vehicle is foreseen to be exponential due to increasing concerns related to the environment and several stringent laws by Worldwide Harmonized Light Vehicles Test Procedure (WLTP). With the rising electric vehicle production, the requirement for a large number of semiconductors and other electronics is also boosting in the market. The market players are focusing on various initiatives to enhance its reach to rural areas and boost its position in the automotive semiconductor market.

Global Automotive Head-Up Display Market Forecast 2019-2027

Driven by the recent boom in the automotive industry, and the emergence of electric and semi-autonomous vehicles, the global automotive head-up display (HUD) market is anticipated to exhibit a CAGR of 21.74% CAGR during the forecast period of 2019-2027 to capture a revenue of $5.54 billion by 2027.

MARKET INSIGHTS

The booming automotive industry, increased demand for connected vehicles, growing concerns & awareness about passenger & vehicle safety, increasing per capita income across geographies and the emergence of electric & semi-autonomous vehicles are primarily driving the global market.

But, with the increased adoption of Automotive Head-Up Display (HUD), newer challenges have been introduced into the market. The high cost of automotive HUD systems is the key challenge. Due to the high cost of automotive head-up display systems, consumers opt for the alternative system which is available at lower costs. This is expected to hinder the demand and adoption of automotive HUDs.
Understanding Indian Consumers' Priorities, Preferences and Willingness to Purchase Hybrid and Electric Vehicles, 2017

Published by Frost & Sullivan

Price
USD 4950 Web Access (Regional License)

Understanding consumer needs is quintessential for driving future mobility developments. This research focuses on consumer awareness and their willingness to pay for hybrid vehicles and electric vehicles (EVs). The respondents were questioned based on numerous factors such as technology awareness, preferred vehicle range, features, ease of charging, usage pattern, resale value, low noise and vibration, inexpensive to purchase, very low/zero emissions, sporty performance, tax credits and other incentives to understand what motivates them to consider purchasing a hybrid and electric vehicle.

Key Features:

Key takeaways of the study include:

- There is a considerable difference between customers' understanding about a certain technology and their actual awareness. There is a need to create awareness of technologies to build understanding and interest.
- Although reliability and safety are the most important factors for choosing a vehicle, car owners more often take into account the performance and personalization of the vehicle as they are paying a premium over a conventional vehicle.
- Electric range is a higher priority compared to performance and the preferred range is between 100 km and 150 km (90% of customers wanted a minimum 100 km range from EVs).

Automotive Aftermarket Size, Share & Trends Analysis Report By Service Channel (OE, DIY), By Replacement Part (Tire, Battery), By Certification, By Distribution Channel, By Region, And Segment Forecasts, 2019 - 2025

Published by Grand View Research, Inc.

Price
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The global automotive aftermarket size is expected to reach USD 486.4 billion by 2025, according to a new report by Grand View Research, Inc., expanding at a CAGR of 3.9% over the forecast period. Digitalization of auto repair and component sales, complemented by advanced technology incorporations in automobile aftermarket component manufacturing, is expected to benefit market expansion. Surging reception of semi-autonomous, electric vehicles, and hybrid and autonomous cars is further expected to bolster the new component market growth in the years to come. The market can be categorized, based on replacement parts, into tire, battery, brake parts, filters, body parts, lighting and electronic components, wheels, exhaust components, and turbochargers.

Increasing vehicle penetration is driven by overall improvement of lifestyle in developing countries such as India and Brazil and is expected to drive the automobile industry. Similar surges in the auto manufacturing sector across various regions, along with increasing stringent emissions norms, are expected to drive aftermarket component sales over the forecast period.
**Executive Analysis of the US EV Charging Ecosystem, 2018**

By 2025, over 2 million electric vehicles (EVs) are expected to be sold only in the US. Consumers now prefer EVs over ICEs owing to fast developing charging network across the US. There is an opportunity for both AC and DC charging network expansion and traditional business models are not sufficient anymore. Unlike fuel stations, with respect to EV charging, there is no one-size-fits-all solution and OEMs, EVSEs, CPOs, and aggregators are capitalising on this opportunity. For instance, highways need equally spaced fast chargers city centres such as parking spaces, apartment complexes require AC charging station and a product design that is compact, modular, and scalable. The next wave of charging is the 350kW ultra-fast chargers to be deployed and distributed along the highway. However, the need for lower power AC and DC charging units is still existential within the cities, and both fast and slow chargers will co-exist as the EV market expands. Therefore, it becomes imperative for participants in the market to not only focus on product/technology but also on the business model. How they reach consumers and the experience they create while reducing the cognitive load will become a key differentiating factor. A plethora of business models designed to reach to consumers are creating markets that previously did not exist. Charging operators are borrowing from principles such as access economy, subscription, and premium and ad-based economy from other verticals to design their business and carve a niche.

**Global All-Terrain Vehicle (ATV) Transmission System Market 2019-2023**

The growing demand for ATVs in APAC will trigger the market's growth in the forthcoming years. Emerging economies including India and China are witnessing an increase in the demand for ATVs in recent years mainly due to the growing awareness of applications of ATVs among the consumers. In addition, off-road enthusiasts are also increasingly looking for ATVs for engaging in off-road activities and adventure sports in the APAC region. This will further propel the demand for ATV transmission system during the next few years. Technavio’s analysts have predicted that the all-terrain vehicle (ATV) transmission system market will register a CAGR of almost 1% by 2023.

**Market Overview**

Greater use of ATVs in off-road sports and recreational activities

One of the growth drivers of the global all-terrain vehicle (ATV) transmission system market is the greater use of ATVs in off-road sports and recreational activities. The increase in the use of ATVs for outdoor activities such as off-road riding and mountain racing is expected to drive the market during the forecast period.
According to BlueWeave Consulting, the Global Spark And Glow Plug Market are growing at a promising growth rate over the forecast period which is influenced by a number of factors, such as increasing automotive production, governments' stringent emission norms, and growing demand for higher fuel efficiency. The spark is designed to fit in each cylinder of a gasoline-powered internal-combustion engine to produce the electric spark for ignition of the air-fuel mixture, while the glow plug is fitted into each cylinder of a diesel engine, along with a heating element to heat incoming fuel and air to ensure efficient combustion when the engine is cold.

Moreover, the technological advancements and innovation, like E3 high-performance, plasma core, and ACIS (Advanced Corona Ignition System) in designing spark plugs are the key factors responsible for the growth of spark and glow plug market in coming years. Furthermore, increasing replacement interval for spark plugs and engine downsizing along with the business expansion and collaboration by prominent players with technology providers are some of the ongoing trends in the emerging market. In addition, manufacturers are making long-term contracts with suppliers to reduce production costs is another factor which will fuel the growth of the global spark and glow plug market over the forecast period. Additionally, the anticipated entrance of major automotive OEMs in the emerging market is expected to drive the growth of the market during forecast period.
According to BlueWeave Consulting, The Global Self-Balancing Scooter Market is expected to grow with a significant rate during the forecast period 2019-2025, owing to its increasing demand in the commercial and organizational sector due to its features such as eco-friendly & light-weight, rechargeable batteries and noise-free.

The demand of Self-Balancing Scooter for its less expensive than any other mobility scooters coupled with its ergonomics, technology, range, and adding various modern features such as wireless charging, Wi-Fi, and Bluetooth in college premises among millennial generations will boost the Self-Balancing Scooter market in the upcoming year. Moreover, the major factor driving the market growth is the growing use of Self-Balancing Scooter in public services like useful in patrolling purposes by police in airports and streets because of its environment-friendly, noise-free and operates on electric vehicles.

Furthermore, the growing use of self-balancing scooter in parks, manufacturing facilities, shopping complexes, government campuses across various countries in the world will accelerate the growth of Self-Balancing Scooter market. Additionally, growing per capita incomes among consumers coupled with a futuristic look and are fun in the drive will contribute to Self-Balancing Scooter market growth during the forecast period. Furthermore, the increasing inclination toward advanced electronic devices which have eco-friendly, light-weight, wireless charging and Bluetooth are major drivers for the growth of global Self-Balancing Scooter market in the forecast period.
Full LCD instrument cluster with at least 3 or even 5 to 6 screens, will be an integral of a mainstream electronic cockpit solution which may be integrated with some local and cloud capabilities such as natural language processing (NLP), gesture control, fatigue detection, face recognition, AR HUD, HD map and V2X. So it can be said that cockpit has endless demand for computational resources, for instance, 50000DMIPS in 2020 and more after the year.

Autonomous driving needs processors that perform far better. According to Horizon Robotics' summary of OEM demand, a higher level of automated driving means more orders of magnitude, namely, 2 TOPS for L2 autonomy, 24 TOPS for L3, 320 TOPS for L4 and 4,000+TOPS for L5.

Only computing power is not enough. Complexity of automotive applications should be taken into account. That's because an automotive processor also has to consider how much power is consumed, how much computing power is used or whether it is up to the automotive and safety standards or not.

Automotive processor, also referred to as automotive computing chip, typically falls into three types: Application specific standard products (ASSP), like CPU and GPU; application specific integrated circuits (ASIC); field programmable gate arrays (FPGA). Conventional CPU and GPU have begun to find it hard to meet increasing new demand as AI computing is developing by leaps and bounds, and in terms of energy efficiency, underperform semi-custom FPGA and full-custom ASIC, both of which are booming.

Advanced driver assistance systems (ADAS) and automated driving systems (ADS) for commercial vehicles have been gaining market attention for several years. These systems are expected to continue development and market penetration. Due to touted safety improvements, governments around the globe have begun to craft regulations to require ADAS in new commercial vehicle sales to reduce the severity and frequency of collisions and other accidents. If and when ADS are proven safe and reliable, markets facing labor shortages will be some of the earliest adopters.

The first platooning for heavy freight trucks is expected to hit the market in 2019. While many of the new heavy duty trucks on the market have most of the ADAS technology needed to enable platooning, OEMs and startups alike are working to design and test safe and reliable truck platoon solutions with vehicle-to-vehicle communications systems. While many trucks may be platoon-eligible, it will be some time before platooning becomes common. Development and demonstrations of ADS technology will be crucial in establishing public and regulatory confidence. While growth is expected to be rapid once technology is fully developed, volumes will remain low through 2030.
Automotive Evaporative Emission Control (EVAP) System Market Size
By Vehicle, By Components, By Distribution Channel Industry Analysis
Report, Regional Outlook, Growth Potential, Price Trends, Competitive
Market Share & Forecast, 2019 - 2025

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Rising vehicular pollution from automotive evaporation along with increasing solar radiation is driving the automotive evaporative emission control system market. High diurnal emission from gasoline evaporation owing to temperature fluctuation during the day and night is escalating the product demand. Vehicle manufacturers are producing vehicles complying evaporation test methods and performance standards. Increasing product implementation in petrol vehicles will propel the industry size over the study timeframe.

International organizations including Environment Protection Agency (EPA) are taking initiatives including mandating the fuel evaporation regulations for petrol run vehicles. 40 CFR part 1066 mandated by EPA provides essential testing procedures for vehicles to measure evaporative, refueling and, exhaust emissions. Emergence of testing and fuel evaporation regulation limiting the hydrocarbon release will boost the automotive evaporative emission control system market growth.

Automotive Collision Repair Market Size, Share & Trends Analysis
Report By Product Type (Paints & Coatings, Consumables, Spare Parts),
By Vehicle Type, By Service Channel (DIY, DIFM, OE), And Segment
Forecasts, 2019 - 2025

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The global automotive collision repair market size is expected to reach USD 208.0 million by 2025, according to a new study by Grand View Research, Inc. It is projected to register a CAGR of 2.3% during the forecast period. Technological advancements and the subsequent development of innovative repair techniques are anticipated to boost the growth. For instance, a new production technology, such as 3D printing of automotive parts, is extensively being deployed by key players to optimize their production costs, with 3D printing enabling efficient fabrication performance and reduction of emission toxicity.

In addition, growing adoption of the alternative fuel vehicles is anticipated to propel the market in the forthcoming years. The U.S. government has implemented several initiatives to support the sales and use of alternative-fuel vehicles such as cars and trucks that run on hydrogen and natural gas. For instance, in California, air quality is an important concern on account of which, the Federal Clean Air Act by the California Air Resources board was implemented to reduce the vehicle emissions.
The Philippines EV Market, Forecast to 2022

The study provides an overview of the EV market in the Philippines for the period, 2017-2022. The market is segmented into e-Bikes, e-Tricycles/e-Trikes, e-Jeepneys, e-Quads, and passenger EVs. Of these, e-Bikes and e-Trikes account for 95 percent of the market. The Philippines EV market is will grow significantly over the next decade due to the country’s economic growth, inadequate public transport alternatives to jeepneys and tricycles, and government support through programs and legislation. New EV launches by OEMs and the establishment of charging infrastructure are expected to further encourage growth. However, the market is likely to be challenged by the limited charging and road infrastructure, a lack of a developed supply chain for batteries and parts, uncertainty regarding standards and requirements, and ownership and usage control restrictions. It also attempts to forecast the demand in an optimistic scenario, a realistic Frost & Sullivan scenario, and a conservative scenario. The research includes the profiles and company background of a few key stakeholders that are expected to influence the market during the forecast period. It also presents a detailed discussion on key findings, Market Engineering measurements, key drivers and restraints, future outlook, growth opportunities, and companies to action.

Automotive Camera & Camera Module Market 2019-2029: Forecasts by Type (Camera/Module), by Vehicle Type, by Component (Image Sensors/Lens Module), by Application, by Region, Analysis of Leading Companies Developing ADAS & Autonomous Technologies

The major advances being made in Advanced Driver Assistance Systems (ADAS) towards semi and fully Autonomous Technologies are hugely reliant upon sensor technologies, and more specifically camera technologies.

The latest report from business intelligence provider Visiongain focuses entirely upon the global Automotive Camera & Camera Module market. Visiongain assesses that this market will generate revenues of $10,717.1 million in 2019.

As demand for camera technology increase automotive OEMs are increasingly leveraging the expertise of the component suppliers in their supply chains. you need to read Visiongain’s objective analysis of how this will impact your company and the automotive industry more broadly. How are you and your company reacting to this news? Are you sufficiently informed?

How this report will benefit you

Read on to discover how you can exploit the future business opportunities emerging in the automotive camera sector. Visiongain’s new study tells you and tells you NOW.

The report provides clear detailed insight into the global Automotive Camera & Camera Module market. Discover the key drivers and challenges affecting the market.

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The global automotive plastics market size is expected to reach USD 68.58 billion by 2025 registering a CAGR of 11.5%, according to a new report by Grand View Research, Inc. Rising preference for high-performance plastics to substitute conventional metals and rubber is expected to impel the market growth. Superior properties, such as versatility and flexibility, of plastic materials have fostered innovations, in terms of technologies and designs. However, the quality of plastics is highly dependent on their properties, functions, and applications. Streamlined mass production has enabled provision of technologically-sound and cost-efficient products with high sustainability.

Utilization of polymer matrix and carbon fiber composites helps reduce the overall weight of vehicles by 25 to 75%. These composites are essential for emission reduction and fuel conservation while supporting the additional weight of advanced safety equipment. Stringent regulations, such as the Corporate Average Fuel Economy (CAFE) in North America, have compelled automobile Original Equipment Manufacturers (OEMs) to seek alternative methods for reducing vehicle weight to improve efficiency. Polycarbonate (PC) is expected to emerge as the fastest-growing product segment from 2019 to 2025. It offers excellent weathering, optical, thermal, and electrical properties and provides a unique combination of stiffness, toughness, and hardness.
Global Shared and Autonomous Mobility Industry Outlook, 2019

This research service analyzes the global mobility market and discusses the 2019 outlook. The study deals with the evolving business models in the shared mobility space, market consolidations and partnerships, key market trends etc. This study will benefit automotive value chain participants, including mobility service providers, OEMs, car rental and leasing companies, financial service providers, technology solution providers, and a host of other industry participants looking to understand current mobility market trends and their implications.

The study looks at 8 collaborative business models—car sharing, P2P carsharing, corporate carsharing, e-Hailing, ridesharing, dynamic shuttle, bike sharing and Mobility-as-a-Service. Market analysis is done for 2018 through 2019. One of the primary reasons for the popularity of these business models is that they help combat pressing issues such as congestion and pollution, which many cities across the globe are facing.

The key metrics discussed in the study are the members, vehicles and revenues for the applicable business models. The research service also discusses key trends that affect these segments. The mobility market is witnessing a lot of activity in terms of investments/mergers and acquisitions among the various stakeholders. Automakers will be one of the most important stakeholders as they are trying to look at alternative streams of revenue from the mobility market. There is a lot of innovation happening in the shared mobility space - both for mobility operators and technology software providers - who are updating their offerings to provide a more wholesome customer experience to enhance the loyal customer base.

Global Powertrain Outlook, 2019

This research service provides an in-depth analysis of powertrain technology and strategic imperatives of upcoming diesel/gasoline technology, technology roadmaps, and technology advancement. The study will highlight current and future product plans of various manufacturers and growth potential. The emission regulation is tightening its standards; moreover, pollution levels have begun shifting the existing dynamics of the global automotive market. Though xEV (electric and hybrid vehicles) have gained traction with developed nations, they are yet to do so in niche markets, such as India, Eastern Europe, and APAC.

Key Features:

The aim of this study is to research, analyze, and forecast the trends; provide an overview of the EV & hybrid vehicle market; and discuss the impact of these trends on the growth and performance of key OEMs. The study mainly focuses on PV technology outlook globally and regional trends. The changes in test procedures for passenger vehicles which will increase adoption of advanced powertrain technologies. Gasoline engines will look at higher boosting technologies whereas diesel engines will look at alternative exhaust after treatment systems. There is a brief explanation of various engines and transmission that will be introduced by various OEMs with the support of Tier I suppliers. The strict standards will impact the ICE adoption; therefore, the impact of electrification and its effect on future models is discussed to show the market penetration of conventional powertrain in comparison to ePowertrain strategy.
Transformative Impact of Autonomous Driving on Global Heavy-duty Truck Market

Published by Frost & Sullivan

Price
USD 4950 Web Access (Regional License)

Frost & Sullivan's research service on the regulatory framework towards autonomous driving in heavy-duty truck provides detailed market and technology trends, challenges, and forecasts from 2017 to 2025 at a global level. The study identifies and analyzes the key goals and progression needed to realize autonomous semi-trucks by 2025. It outlines the cost and competitive ecosystem over the forecast period, and examines the current testing environment for automated vehicles globally. It also estimates the adoption of different levels of automated trucks in 2025 and beyond. Autonomous driving in heavy duty trucks will rely on four key pillars for its potential introduction into the market; regulations, innovation (technology), infrastructure, and societal acceptance. Global regions who thrive in these four categories will become early adopters and market drivers of autonomous driving.

Currently, there has been strong development in the advancement of technological capabilities towards autonomous trucks. All major OEMs and some Tier I suppliers have already demonstrated the ability to operate a level 3 autonomous truck on public roads. Although the technology components to enable a level 3 autonomous truck are available today, there are still many challenges ahead to prove its reliability and safety in any operation condition. SAE level 4 autonomous trucks are the target solution of many leading OEMs and are expected to be the first commercialized autonomous level seen for on-road usage.

Automotive Wrap Films Market Size, Share & Trends Analysis Report By Application (Heavy-, Medium-, Light-duty Vehicles), By Region (Central & South America, APAC, MEA, North America, Europe), And Segment Forecasts, 2019 - 2025

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The global automotive wrap films market size is expected to reach USD 11.6 billion by 2025, according to a new report by Grand View Research, Inc. The market is projected to expand at a CAGR of 22.2% over the forecast period. High application scope coupled with increasing demand from light duty vehicle application is likely to have a positive impact on the market growth. Asia Pacific is expected to be the fastest-growing regional market over the forecast period. This can be attributed to rapidly expanding automotive industry in the region. Rising population and increasing disposable income levels in the emerging economies like India and China are also likely to propel the regional market development. Moreover, growing popularity of color-changing vehicle paints is further expected to propel the demand for automotive wrap films in the region. Growing construction, transportation, and industrial sectors are likely to increase the overall sales of heavy duty vehicles in the coming years. Escalating demand for vehicle branding coupled with increased sales of heavy duty vehicle in North America is expected to have a positive impact on the overall market in the years to come.
Global Truck Platooning Market - 2019-2026

Truck platooning is the linking of two or more trucks in the convoy using a vehicle to vehicle technology and automated driving support systems. These trucks automatically maintain the distance between each other when they are connected for certain part of the journey. The truck at the head of platoon acts as a leader and vehicles behind it reacts and adapts changes in the movement according to the leader. Reducing the space between vehicles reduces the aerodynamic drag experienced by all vehicles in the platoon, and consistent speed reduces the frequency of acceleration and deceleration thereby reducing fuel consumption and CO2 emission. The platooning technology has the ability to decrease the CO2 emissions by 16% from the trailing vehicles and 8% from the lead vehicles.

These technologies help in improving the safety, since the braking is immediate and automatic, and the truck following the lead vehicle only need 1/5th of the time to react. Platooning optimizes the transportation industry by using more road effectively and delivering goods faster by reducing traffic jams.

The global truck platooning market was worth $XX billion in 2018 and is forecasted to reach $XX billion by 2026, at a CAGR of XX% during the forecast period.

Global Two-Wheeler Market By Vehicle Type (Scooter/Moped and Motorcycle), By Engine Capacity (Up to 125cc, 126-250cc, 250-500cc and Above 500cc), By Region, Competition, Forecast & Opportunities, 2014 - 2024

Global two-wheeler market stood at around $ 95 billion in 2018 and is projected to surpass $ 125 billion by 2024. Anticipated growth in the market would be driven by higher fuel efficiency, lower emissions, easy maneuverability and price attractiveness. Moreover, launch of new models, growing number of female drivers and increasing congestion levels are expected to boost sales of two-wheelers across the globe. Increasing number of two-wheeler clubs, rising penetration of Chinese players and growing preference for two-wheeler taxis for mobility would have a positive impact on the market during forecast period.

Objective of the Study:

- To analyze and forecast global two-wheeler market size.
- To classify and forecast global two-wheeler market based on engine capacity type, vehicle type and region.
- To identify drivers and challenges for global two-wheeler market.
- To examine competitive developments such as expansions, new product launches, mergers & acquisitions, etc., in global two-wheeler market.
- To conduct the pricing analysis for global two-wheeler market.
- To identify and analyze the profile of leading players engaged in the manufacturing of two-wheelers.
Advanced engine technologies for meeting CO2 and fuel economy targets - forecasts to 2033

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Updated in the last quarter, this report has been extracted from QUBE and provides a comprehensive overview of the emerging light vehicle engine technologies required to meet CO2 and fuel economy mandates, major suppliers, top markets, technology trends and market size forecasts.

Based on exclusive interviews, primary research and proprietary data this engine technologies global market study includes:

・ Diesel and gasoline, fuel injection system and forced induction fitment and size data for the top 14* markets
・ A review of the latest technological developments and market trends in engine technology (combustion strategies such as: Atkinson cycle; HCCI/CAI; lean burn; variable compression ratio and stratified charge). Also: fuel injection system developments; effects of downsizing and downspeeding; kinetic and thermal energy recovery; forced induction; engine material developments; variable valve actuation; alternatives to the internal combustion engine and alternative fuels such as hydrogen and CNG.
・ Regional engine supplier market share data tables and commentary
・ Exclusive interviews with OE engine technology suppliers including Tenneco, Zircotec, Federal Mogul, Delphi, Nemak and Kolbenschmidt (news and interviews only available in QUBE)
・ A sector PESTER analysis
・ Updated profiles of the major engine technology suppliers including their strategies and prospects

*The top 14 markets accounting for over 98% of global light vehicle production include: North America; Mercosur; Western Europe; Central Europe; Russia; Japan; China; India; Korea; Thailand; Other Asia; Iran; South Africa; Australia.
India Two-Wheeler Brake System Market By Vehicle Type, By Capacity, By Brake Type, By Demand Category, Competition, Forecast & Opportunities, 2014 - 2024

India two-wheeler brake system market is forecast to grow from $ 600 million in 2018 to $ 1.55 billion by 2024, exhibiting a CAGR of over 17% during 2019-2024. Growth in the market is expected to be driven by increasing demand for two-wheelers, owing to their higher fuel efficiency, easy maneuverability, lower emissions and price competitiveness. Two-wheeler market is anticipated to grow at a brisk pace in the country during forecast period, as companies are launching new models according to the customer preferences, which in turn would fuel the demand for braking systems in India. Technological advancements and government regulation mandating ABS for two-wheelers above 125 cc and increasing number of road accidents are some of the other factors that are expected to positively influence the market in coming years.

Objective of the Study:

- To assess the demand-supply scenario of two-wheeler brake system market, which covers sales, demand and supply of two-wheeler brake system in the country.
- To analyze and forecast India two-wheeler brake system market size.
- To classify and forecast two-wheeler brake system market based on brake type, vehicle type, demand category, capacity and region.
- To identify drivers and challenges for India two-wheeler brake system market.
- To examine competitive developments such as expansions, new product launches, mergers & acquisitions, etc., in India two-wheeler brake system market.
- To conduct the pricing analysis for India two-wheeler brake system market.
- To identify and analyze the profile of leading players involved in the manufacturing of two-wheeler brake systems.

Global Electric Two-Wheeler Market By Vehicle Type (Scooter/Moped and Motorcycle), By Battery Capacity (<25 Ah and >25 Ah), By Battery Type (Lead Acid and Li-ion), By Region, Competition, Forecast & Opportunities, 2014-2024

Global electric two-wheeler market stood at around $ 11 billion in 2018 and is forecast to grow at a CAGR of more than 9% during 2019-2024, crossing $ 19 billion by 2024, backed by increasing government initiatives towards controlling rising air pollution levels. Governments across the globe are providing support in the form of incentives, subsidies and schemes to encourage the manufacturing and adoption of electric two-wheelers. Growing purchasing power and rising urbanization in major developing countries, in addition to increasing focus of leading vehicle manufacturers towards developing technologically advanced products with better performance and price competitiveness, is expected to positively influence global electric two-wheeler market during forecast period.
With more automakers aiming to market cheaper, longer-range plug-in cars, demand for lithium-ion automotive batteries is expected to rise sharply in 2017.

The key to the market growth is the use of battery packs that are in some cases two to three times bigger than those employed in electric cars just five years ago. By incorporating bigger batteries, the new vehicles will offer greater all-electric ranges.

Unfortunately, high costs of lithium-ion battery cells have been one of the main hindrances to large-scale electric-car adoption, as they typically lead to higher purchase prices for electric cars than comparable internal-combustion models.

Because of improved chemistry, manufacturing processes and economies of scale, average electric-car battery costs continue to decline.

Battery pack prices are expected to halve to $215 per kilowatt hour by 2020 from $400/kWh now. Due to the rapid decline in this cost Exane BNP Paribas predicted that by 2025 automakers will generate bigger profit margins from EVs than from cars with internal combustion engines. As EV growth escalates, the industry would need a global battery production capacity of 600 gigawatt hours, enough to build 8.6 million cars with an average battery size of 70kWh.
Global Electric Vehicle Charging Stations Market - Industry Trends and Forecast to 2026

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Global Electric Vehicle Charging Stations market is expected to reach a CAGR of 48.6% in the forecast period of 2019 to 2026. The new market report contains data for the historic year 2017, the base year of calculation is 2018 and the forecast period is 2019 to 2026.

Market Segmentation

By Charging Station (AC charging station, DC charging station), Vehicle Type (Battery electric vehicle (BEV), Plug-In Hybrid Electric Vehicles(PHEV)), Installation Type (Residential, Commercial), Technology (Level 1, Level 2, Level 3), charging Stations Standards (GB/T, CHAdeMO, CCS, Tesla supercharger, SAE J1772, IEC 62196), Geography (Asia-Pacific, Europe, North America, Middle East and Africa, South America)

Major growing sectors under the market segmentation are as follows:

On the basis of charging station, DC charging station is growing due to the fast charging rate and it can be deployed both at residential and commercial applications.

On the basis of vehicle type, battery electric vehicle (BEV) is growing owing to increasing government incentives and also growing stringent emission norms in developed and developing nations

On the basis of technology, level 3 is growing due to the latest technology in the trend and it provides the high charging speed which electric vehicles’ owners prefer.
Cold Storage Market Size, Share & Trends Analysis Report By Construction Type (Bulk Storage, Production Stores), By Temperature Type (Chilled, Frozen), By Application, By Warehouse Type, And Segment Forecasts, 2019 - 2025

Published by Grand View Research, Inc.  
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www.giiresearch.com/ce/600813

The global cold storage market size is anticipated to reach USD 212.54 billion by 2025 expanding at a CAGR of 12.2%, according to a new report by Grand View Research, Inc. The retail sector in emerging economies, such as India and China, is getting more organized and this trend is expected to augment the demand for cold storage over the forecast period. Government policies to deregulate the entry of foreign companies have increased the Foreign Direct Investment (FDI) in the retail sectors of such regions.

Organized retail stores use better refrigeration and improved storage technology than the traditional stores. Thus, consumers are increasingly purchasing frozen foods from these retail stores. With the increased demand for chilled and frozen foods and rapidly expanding of the organized retail sector, the demand for the cold storage solutions is expected to grow over the projected period. The organized retail supports different outlet formats depending on spending power and proximity from major residential and consumption clusters.

The offline mode of the organized retailing is categorized into convenience stores, supermarkets, and hypermarkets based on the product range and surface coverage. On the other hand, lack of power hook-ups for reefer trailers at transportation hubs and ports coupled with the lack of reliable power supply for cold warehouses further increases the operation costs.
India Luxury Car Market - Growth, Trends, and Forecast (2019 - 2024)

Published by Mordor Intelligence LLP

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www.giresearch.com/ce/823692

The Indian luxury car market (henceforth, referred to as the market studied) is anticipated to register a CAGR of 23% during the forecast period (2019 - 2024).

India is a huge market for vehicles and possesses very high potential for luxury cars. Whereas, the luxury car market penetration level in the country is low but leading luxury car manufacturers are betting on the market’s potential.

At present, the penetration rate of luxury cars in the country is approximately 1.2%. Luxury cars sales in the country have increased at a rapid pace since 2012, with approximately 17% rise in sales in 2017, with Mercedes-Benz dominating the market studied. Mercedes sold 15,300 units in 2017 at a growth rate of 15.63%. Whereas, the BMW sold 9,800 units at a growth rate of 24.66% and Audi sold 7,876 units in 2017.

As luxury car manufacturers are launching multiple models with various price ranges, along with user-friendly financing schemes, the demand for luxury cars is expected to rise in the country. Moreover, the demand for luxury SUVs has been growing rapidly in the country and is expected to continue during the forecast period, as they offer extra space and comfort. Major luxury car manufacturers, like Audi, BMW, and Mercedes are planning to launch new luxury models in the country at a competitive prices.

Middle East Auto Components Market By Vehicle Type (Passenger Car, Commercial Vehicle, OTR & Two-wheeler), By Component Type (Filter, Lubricant & Others), By Demand Category (Replacement & OEM), By Country, Competition Forecast & Opportunities, 2024

Published by TechSci Research

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Middle East auto components market was valued at $ 28 billion in 2018 and is projected to surpass $ 39.7 billion by 2024. Anticipated growth in the market can be attributed to increasing automobile vehicle fleet and rising construction and infrastructural activities across different countries of the region. Moreover, growing demand for vehicle modifications along with growth of allied industry is further pushing demand for auto components. Additionally, removal of ban over female driving in some Middle Eastern countries is anticipated to positively influence Middle East auto components market in the coming years.

Objective of the Study:

• To analyze and forecast Middle East auto component market size.
• To classify and forecast Middle East auto components market by vehicle type, by component type, by demand category and by country.
• To identify drivers and challenges for Middle East auto components market.
• To identify and analyze the profile of leading players of auto components in the Middle East region.
Europe Electric Vehicle Charging Stations Market - Industry Trends and Forecast to 2026

Europe Electric Vehicle Charging Stations market is expected to reach a CAGR of 48.6% in the forecast period of 2019 to 2026. The new market report contains data for the historic year 2017, the base year of calculation is 2018 and the forecast period is 2019 to 2026.

Market Segmentation

By Charging Station (AC charging station, DC charging station), Vehicle Type (Battery electric vehicle (BEV), Plug-In Hybrid Electric Vehicles(PHEV)), Installation Type (Residential, Commercial), Technology (Level 1, Level 2, Level 3), charging Stations Standards (GB/T, CHAdeMO, CCS, Tesla supercharger, SAE J1772, IEC 62196), Country (U.K., Germany, France, Italy, Netherlands, Spain, Turkey, Russia, Switzerland, Belgium, Rest of Europe).

Major growing sectors under the market segmentation are as follows:

On the basis of charging station, DC charging station is growing due to the fast charging rate and it can be deployed both at residential and commercial applications.

On the basis of vehicle type, battery electric vehicle (BEV) is growing owing to increasing government incentives and also growing stringent emission norms in developed and developing nations.
North America Electric Vehicle Charging Stations Market - Industry Trends and Forecast to 2026

Published by Data Bridge Market Research Private Limited

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www.giiiresearch.com/ce/823483

North America Electric Vehicle Charging Station market is expected to reach a CAGR of 46.7% in the forecast period of 2019 to 2026. The new market report contains data for the historic year 2017, the base year of calculation is 2018 and the forecast period is 2019 to 2026.

Market Segmentation

By Charging Station (AC charging station, DC charging station), Vehicle Type (Battery electric vehicle (BEV), Plug-In Hybrid Electric Vehicles(PHEV)), Installation Type (Residential, Commercial), Technology (Level 1, Level 2, Level 3), charging Stations Standards (GB/T, CHAdeMO, CCS, Tesla supercharger, SAE J1772, IEC 62196), Country (U.S., Canada, Mexico)

Major growing sectors under the market segmentation are as follows:

On the basis of charging station, DC charging station is growing due to the fast charging rate and it can be deployed both at residential and commercial applications.

On the basis of vehicle type, battery electric vehicle (BEV) is growing owing to increasing government incentives and also growing stringent emission norms in developed and developing nations.
Asia-Pacific Electric Vehicle Charging Stations Market - Industry Trends and Forecast to 2026

By Charging Station (AC charging station, DC charging station), Vehicle Type (Battery electric vehicle (BEV), Plug-In Hybrid Electric Vehicles(PHEV)), Installation Type (Residential, Commercial), Technology (Level 1, Level 2, Level 3), charging Stations Standards (GB/T, CHAdeMO, CCS, Tesla supercharger, SAE J1772, IEC 62196), Country (Japan, China, India, South Korea, Indonesia, Australia, Malaysia, Singapore, Philippines, Thailand and Rest of Asia-Pacific).

Major growing sectors under the market segmentation are as follows:

On the basis of charging station, DC charging station is growing due to the fast charging rate and it can be deployed both at residential and commercial applications.

On the basis of vehicle type, battery electric vehicle (BEV) is growing owing to increasing government incentives and also growing stringent emission norms in developed and developing nations.

On the basis of technology, level 3 is growing due to the latest technology in the trend and it provides the high charging speed which electric vehicles’ owners prefer.
The European electric vehicle battery management system market (henceforth, referred to as the market studied) was valued at USD 791.03 million in 2018, and it is anticipated to register a CAGR of about 21.27% during the forecast period (2019 - 2024).

In vehicles, the battery management system is primarily used for managing and protecting the cells in a battery pack. Safe and optimum use of the energy stored is highly essential in a vehicle battery pack, due to the growing electrification in vehicles. Factors, such as the increasing demand for electric vehicles and energy storage systems and growing consumption of rechargeable batteries in consumer electronics, coupled with technical advancements, are aiding the market’s growth significantly.

Features, like start/stop, electric power steering, and electric braking systems have increased the power load on the battery. Therefore, prioritizing all these electrical loads on a scale from comfort to safety level has been a major issue in the vehicle electric system. Therefore, the intelligent battery management system (IBMS) has been gaining attention among the automobile manufacturers, which aided its adoption across the world.

Companies are primarily focused on entering into international deals, as well as are heavily investing in R&D projects. For instance, Ficosa, a Spain-based company, signed five important contracts for the battery management system. The orders placed by Tier II companies are valued at USD 233.35 million, and are expected to be deployed in electric and plug-in hybrid vehicles.
Middle East & Africa Electric Vehicle Charging Stations Market - Industry Trends and Forecast to 2026

Published by Data Bridge Market Research Private Limited
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Middle East & Africa Electric Vehicle Charging Station market is expected to reach a CAGR of 44.1% in the forecast period of 2019 to 2026. The new market report contains data for the historic year 2017, the base year of calculation is 2018 and the forecast period is 2019 to 2026.

Market Segmentation:

By Charging Station (AC charging station, DC charging station), Vehicle Type (Battery electric vehicle (BEV), Plug-In Hybrid Electric Vehicles(PHEV)), Installation Type (Residential, Commercial), Technology (Level 1, Level 2, Level 3), charging Stations Standards (GB/T, CHAdeMO, CCS, Tesla supercharger, SAE J1772, IEC 62196), Country (South Africa and Rest of Middle East and Africa)

Major growing sectors under the market segmentation are as follows:

On the basis of charging station, DC charging station is growing due to the fast charging rate and it can be deployed both at residential and commercial applications.

On the basis of vehicle type, battery electric vehicle (BEV) is growing owing to increasing government incentives and also growing stringent emission norms in developed and developing nations.

On the basis of technology, level 3 is growing due to the latest technology in the trend and it provides the high charging speed which electric vehicles’ owners prefer.

Global Taxi & Limousine Software Market

Published by Bizwit Research & Consulting LLP
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Global Taxi & limousine Software Market valued approximately USD XX billion in 2017 is anticipated to grow with a healthy growth rate of more than XX% over the forecast period 2018-2025. The Taxi & limousine Software Market is continuously growing in the global scenario at significant pace. The Taxi & Limousine Software has the ability to operate a complete transportation system which allows the users or the individuals to borrow bikes, small electric cars and shuttles by paying a specific subscription fees.

Rising shared transportation system and rising urbanization in developed & developing economies are the substantial driving factors of the market during the forecast period. Further, the shared transportation includes the passenger transportation services which consists of drivers, taxis, bikes and buses under a single specific platform. Moreover, rising ground passenger transportation sector is the major factor that likely to creating lucrative opportunity in the near future. Additionally, taxi & limousine software offers several benefits such as more efficient & safer, helps in saving money to the individual, and so on. These benefits also aiding the growth in taxi & limousine software market across the globe. However, high initial investment requirement and presence data security concerns are the factor that limiting the market growth of Taxi & limousine Software during the forecast period. The regional analysis of Global Taxi & limousine Software Market is considered for the key regions such as Asia Pacific, North America, Europe, Latin America and Rest of the World.
Automotive Wiper Market By - Global Industry Analysis, Size, Share, Growth, Trends, and Forecast 2018 - 2026

This report analyzes and forecasts the wiper market at the global and regional level. The market has been forecasted, based on value (US$ Mn) and volume (million units) from 2018 to 2026. The study involves the effect of all the factors that can contract or expand the market globally as well as regionally. The report also highlights opportunities in the automotive wiper market at the global and regional level.

The report contains value chain analysis, which provides a comprehensive view of the global automotive wiper market. The Porter's Five Forces analysis for the market has also been included to help understand the competitive landscape in the market. The study encompasses market attractiveness analysis, wherein end-users are benchmarked based on their market size, growth rate, and general attractiveness.

The study provides a decisive view of the market by segmenting the market in terms of wiper blade, vehicle type, sales channel, and region. These segments have been analyzed, based on present and future trends. Regional segmentation comprises current scenario along with forecast of the automotive wiper market. The forecast provided is based on the compilation of current trends as well as expected scenario in the future, due to change in technological, geographical, political, and economic factors.

Europe Bus Market By Length (>12m, 10-12m, 8-10m & 6-8m), By Seating Capacity (41-50, >50, Up to 30 & 31-40), By Fuel Type (Diesel, CNG & Others), By Body Type (Fully Built Vs. Customizable), By Country, Competition Forecast & Opportunities, 2014-2024

Europe bus market stood at $ 6 billion in 2018 and is projected to grow at a CAGR of around 7%, to reach $ 8.8 billion by 2024, on account of growing sales and production of buses in the region. Growth in the market is further backed by increasing investments in research activities by bus manufacturing companies such as Daimler, Volvo, MAN, Iveco, etc., for the launch of more advanced buses. Moreover, surging demand for clean fuel buses and government initiatives to promote public transportation system is further anticipated to positively influence Europe bus market during forecast period.

Objective of the Study:
・To analyze and forecast the size of Europe bus market.
・To classify and forecast Europe bus market based on, length, seating capacity, fuel type, body type and regional distribution.
・To identify drivers and challenges for Europe bus market.
・To examine competitive developments such as expansions, new product launches, mergers & acquisitions, etc., in Europe bus market.
・To conduct pricing analysis for Europe bus market.
・To identify and analyze the profile of leading players operating in Europe bus market.
Automotive Switch Market - Growth, Trends, and Forecast (2019 - 2024)

The automotive switch market (henceforth, referred to as the market studied) was valued at USD 25.80 billion in 2018, and it is anticipated to register a CAGR of about 8.59% during the forecast period (2019 - 2024).

The increasing electronic content in the vehicles and increasing focus and enactment of stringent emission and fuel economy norms are expected to drive the demand for automotive switches. However, with the advent of growing awareness of virtual assistants and the inclusion of voice recognition technology in the vehicles, the market studied is expected to witness hindrance in the coming years.

Automotive switches market captures major demand from IC engine vehicles, followed by hybrid, plug-in hybrid, and electric vehicles. Button type switches capture the majority of the market, with approximately 50%, followed by knob and touch pad, with 32% and 18%, respectively.

The Asia-Pacific region is expected to continue to dominate the market studied and is also expected to witness the highest growth rate during the forecast period, owing to growing automotive industry and rising demand for technologically-advanced vehicles, which include safety features, infotainment systems, and HVAC systems.

Automotive Braking Systems - technology, trends and forecasts to 2033

New from just-auto this quarter, this report has been extracted from motor industry information and intelligence platform QUBE and provides a comprehensive overview of the global automotive original equipment (OE) foundation and electronic braking sector and assesses major suppliers, top markets, technology trends and market size forecasts.

Based on exclusive interviews, primary research and proprietary data this global market study includes:

For the top 14* markets it provides market size data and a 15-year forecast for:

A review of the latest technological developments and market trends for:

Regional supplier market share data tables and commentary

Exclusive interviews with OE suppliers including Brembo, BWI Group, Continental, IFR Automotive, Thatcham, TMD Friction, TNO, ZF-TRW news and interviews only available in QUBE)

Sector PESTER (Political, Economic, Social, Technological, Environmental and Regulatory) analysis

Updated profiles of the major automotive brake system suppliers including their strategies and prospects

Published by Mordor Intelligence LLP

Price
USD 4250 PDF by E-mail (Single User License) ~
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www.giiresearch.com/ce/612952

The automotive fuel tank market (henceforth, referred to as the market studied) is expected to reach USD 23.73 billion by 2024, projecting a CAGR of 3.96%, during the forecast period.

One of the major factors driving the growth of the market is increasing demand for, and sales of, commercial vehicles (owing to rise in the e-commerce sector, resulting in the growth of the logistics industry and construction sector). However, factors, such as growing penetration and demand for electric vehicles and rise in prices of base metal i.e., aluminum, may hinder the growth of the market studied.

Manufacturers around the world are substituting metal fuel tanks with plastic fuel tanks to fulfill the growing demand and satisfy the discerning customer requirements. Plastic fuel tanks have many inherent advantages over metal fuel tanks, and this is augmenting their popularity in the automotive fuel tank market. Some of the major plus points of plastic tanks are lightweight nature of the material, design flexibility, corrosion resistance, and durability; as a result, plastic is becoming more preferred than any other material for building fuel tanks.

Automotive Vision Systems - technology, trends and forecasts to 2033

Published by just-auto

Price
USD 2300 PDF by E-mail (Single user license) ~
USD 6900 PDF by E-mail (Multi user license)

www.giiresearch.com/ce/386366

New from just-auto this quarter, this report has been extracted from QUBE and provides a comprehensive overview of automotive vision systems - glazing, mirrors and wipers - and assesses major suppliers, top markets, technology trends and market size forecasts.

For the top 14* markets it provides market size data and a 15-year forecast for:

A review of the latest technological developments and market trends for:

Regional supplier market share data tables and commentary

Exclusive interviews with OE suppliers including Corning, Covestro, Ficosa, Flabeg, Gentex, Harman, NordGlass, Pilkington, SABIC, Saint-Gobain Sekurit and SL Corporation (news and interviews only available in QUBE)

PESTER (Political, Economic, Social, Technological, Environmental and Regulatory) analysis

Updated profiles of the major suppliers including their strategies and prospects
Automotive Tinting Film Market Size, Share & Trends Analysis Report By Vehicle Type (Passenger Cars, LCV, HCV), By Application (Windows, Windshield), By Region, And Segment Forecasts, 2019 - 2025

Published by Grand View Research, Inc.  
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The global automotive tinting film market size is expected to reach USD 4.46 billion by 2025, according to a new report by Grand View Research, Inc. It is projected to expand at CAGR of 5.1% over the forecast period. The major factor driving the demand for automotive tinting films is the increasing global automotive production. The demand for passenger vehicles has witnessed substantial growth, primarily from Asian countries such as India, China, and Japan.

The demand for passenger vehicles has seen an upsurge in developing economies on account of rapid urbanization and increasing working population and disposable income. This is expected to positively impact the product demand over the forecast period.

However, various regulations regarding the Visible Light Transmission (VLT) are expected to restrain the market growth. In addition, onset of Chinese tinted glasses in the global market is expected hamper the demand for tinting films.

Tinting films help reduce solar heat gain and winter heat loss and maintain sustainable and comfortable environment. In addition, the use of Ultra Violet-A filtering tinting films reduces the risk of skin cancer and skin damage. Environmental benefits offered by these films along with rising safety concerns among consumers is expected to drive the market.


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The Automotive Heat Exchanger market was valued at 21389.6 M USD in 2018 and is projected to reach 25271.7 M USD by 2025, at a CAGR of 2.41% during the forecast period. In this study, 2018 has been considered as the base year and 2019 to 2025 as the forecast period to estimate the market size for Automotive Heat Exchanger.

This study focuses on the production side and consumption side of Automotive Heat Exchanger, presents the global Automotive Heat Exchanger market size by manufacturers, regions, type and application, history breakdown data from 2014 to 2019, and forecast to 2025.

In terms of production side, this report researches the Automotive Heat Exchanger production, value, ex-factory price, growth rate, market share for major manufacturers, regions (or countries) and product type.

In terms of consumption side, this report focuses on the consumption of Automotive Heat Exchanger by regions and application. The key regions like North America, Europe, Asia-Pacific, Central & South America, Middle East and Africa etc.
Global Hydrogen Fuel Cell Vehicle Market valued approximately USD 465.0 million in 2017 is anticipated to grow with a healthy growth rate of more than 70.13% over the forecast period 2018-2025. The Hydrogen Fuel Cell Vehicle Market is continuously growing in the global scenario at significant pace. Hydrogen fuel cell vehicles (HFCVs) are a class of electric vehicles that power the drive train of the vehicles through the energy generated from fuel cells. The fuel cell converts chemical energy generated from the positively charged hydrogen ions into electricity. The fuel cell technology has been adopted from the aerospace industry where it was first used to power space shuttles and satellites. Growing environmental concerns and development of infrastructure to produce hydrogen are the substantial driving factors of the market during the forecast period. Additionally, growth in adoption of automobiles in developing regions is another factor that boosting the demand of hydrogen fuel cell vehicle across the globe. Moreover, rising developments in aggressive hydrogen refueling stations (HRS) is the major factors that likely to create numerous opportunity in the near future. Moreover, hydrogen fuel cell have higher efficiency than the diesel or gas engines and can eliminate pollution by which demand of hydrogen fuel cell vehicle is increasing among its end-users across the globe. However, initial capital investment, reduced HRS and high cost of the vehicles are the factors that limiting the market growth of hydrogen fuel cell vehicles during the forecast period.

Bus Market - Growth, Trends, and Forecast (2019 - 2024)

The prevailing concern over pollution caused, especially, by automobiles, has forced governments in many countries to take drastic measures to keep pollution in check. The Asia-Pacific region is leading the global electric bus market, due to increased government initiatives in countries, such as India, China, and Japan.

The rise in government initiatives for improving the public transportation networks, particularly bus rapid transit systems, to reduce traffic congestion and improve air quality, is another trend. Additionally, many new private transportation companies are entering the market with the concept of green transportation, with electric, hybrid, compressed natural gas (CNG), and liquefied natural gas (LNG) models, as many countries are adopting more stringent emission standards and environmental regulations. The bus market (henceforth, referred to as the market studied) is expected to reach USD 72.43 billion by 2024, projecting a CAGR of 7.58%, during the forecast period (2019 - 2024). The total bus stock in 2017 amounted to 17.2 million units.