
Report / Search Code: MRFR/AM/6468-HCRR          Publish Date: May, 2019

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Description:

Global Semi-Autonomous Vehicle Market Research Report: Information by Component (Camera, LiDAR, Radar, Ultrasonic Sensor and others), ADAS Features (Lane Assist, Crash Warning System, Adaptive Cruise Control, Smart Park Assist, Cross Traffic Alert, Automatic Emergency Braking and others), Automation Level (Level 1, Level 2 and Level 3), Propulsion (ICE and Electric) and by Region (North America, Europe, Asia-Pacific and the Rest of the World) - Forecast till 2030

Market Synopsis:

Semi-autonomous vehicles steer, accelerate/decelerate, stop, and change lanes as well as they can operate for a longer period with little manual intervention. Furthermore, such vehicles are capable of self-parking, and control all the safety-critical functions, sense the driving conditions, and allow the driver to retake controls, providing sufficient transition time. The working and technology of semi-autonomous vehicles depend on the level of automation. They can use the advanced driver assistance system (ADAS) that can sometimes assist a human driver with operating the vehicle as well as they control all aspects of driving in some circumstances with several ADASs functioning together.

Focus on vehicle safety to reduce the number of road accidents and related deaths and the regulations to incorporate safety features in vehicles are the factors driving the global semi-autonomous vehicle market during the forecast period. Additionally, the increase in demand for efficient driving experience, need for better fuel efficiency, and increased integration of advanced technology in the automotive sector are expected to add to the market growth. However, the semi-autonomous vehicle market size may be hindered by the high price of semi-autonomous vehicles and the lack of information technology, communication infrastructure in developing nations. Increasing demand for connected cars is expected to be an opportunity for the global semi-autonomous vehicle market during the forecast period.

Prominent Players

The Prominent Players in the global semi-autonomous vehicle market are Continental AG (Germany), Daimler AG (Germany), NXP Semiconductor (the Netherlands), Valeo (France), ZF Friedrichshafen AG (Germany), Magna International (Canada), Tesla (US), BMW (Germany), Waymo LLC (US), Texas Instruments (US), General Motors (US), Mercedes-Benz (Germany), and Audi AG (Germany).

SEGMENTATION: GLOBAL SEMI-AUTONOMOUS VEHICLE MARKET

The global semi-autonomous vehicle market is segmented based on component, ADAS features, automation level, propulsion, and region. On the basis of component, the global market has been segmented into camera, LiDAR, radar, ultrasonic sensor, and others. On the basis of ADAS features,
the global market has been segmented into lane assist (LA), crash warning system (CWS), adaptive cruise control (ACC), smart park assist (SPA), cross traffic alert (CTA), automatic emergency braking (AEB), and others. On the basis of automation level, the global market has been segmented as Level 1, Level 2, and Level 3. On the basis of propulsion, the global market has been segmented as ICE and electric.

Geographically, the global semi-autonomous vehicle market has been segmented into four major regions, which are North America, Europe, Asia-Pacific, and the Rest of the world. North America is expected to dominate the global semi-autonomous vehicle market throughout the forecast period, owing to the strong customer base and high per capita disposable income, increasing the demand for high-end vehicles. Such a scenario makes R&D investments by local and international automotive OEMs, a necessity to optimize their business potential. Furthermore, Asia-Pacific is expected to register the highest growth rate during the forecast period, owing to the focus by the global technology innovators on investing, testing, and commercializing the semi-autonomous technology. The rising awareness regarding vehicle safety, across major countries, adds to the Asia-Pacific market growth.

The Market Research Future report on the global semi-autonomous vehicle market covers extensive primary research. This is accompanied by a detailed analysis of qualitative and quantitative aspects by various industry experts and key opinion leaders to gain deeper insights into the market and industry performance. The report gives a clear picture of the current market scenario, which includes the historical and forecasted market size, in terms of value and volume, technological advancement, macroeconomic, and governing factors of the market. The report provides comprehensive information about the strategies of the top companies in the industry, along with a broad study of the different market segments and regions.

**Intended Audience:**
- Vehicle manufacturers/OEMs
- Automotive associations
- Raw material suppliers
- Automotive software providers
- Service providers
- Tier 1 manufacturers
- Government Bodies

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