Predictive Vehicle Technology Market Vehicle Type Passenger Vehicle and Commercial Vehicle and Forecast, 2021-2030

OREGAON, PORTLAND, UNITED STATES , March 30, 2023 /EINPresswire.com/ -- Predictive vehicle technology is a combination of artificial intelligence (AI) and machine learning (ML) used to understand the trends and operating pattern of the vehicle owner which enhances the safety of the vehicle. The tools include data mining, neural networks, system modelling, and simulation. Predictive vehicle technology personalizes the driving experience by automating the process of vehicle settings which includes the vehicle's infotainment system and application preferences. AI and ML are an integral part of future vehicles and auto industry since, predictive technologies are gaining popularity among all the vehicle types for providing the driver with comfort and convenience. OEMs are focusing on adoption of IoT and connected gadgets in the vehicles which can operate on voice commands. Moreover, the sensors present in the vehicle can also inform the vehicle owner whether the vehicle needs a service from a mechanic. Furthermore, the vehicle's performance is evaluated by the predictive system on the basis of vehicle's condition, mileage clocked, and information about safety hazards linked with malfunctioning of vehicles. Thus, the data from the system helps to reduce the downtime of finding the fault in the vehicle and repair the same.

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Major competitors:

Robert Bosch GmbH,
International Business Machines (IBM) Corporation,
Honeywell International Inc.,
Siemen AG,

Continental AG,
Aisin Seiki,
Aptiv,
Garrett Motion,
Magna International Inc.,
HARMAN International

Top Impacting Factors

◻Rise semiconductor technology, use of artificial intelligence & machine learning, and rise in demand for autonomous vehicles is expected to drive growth of the market.
◻However, data security & integration with existing software platforms and higher cost of the technology will hamper growth of the market.
◻Rise in demand for safety & advanced features, rise in demand for connected vehicles, and rise in R&D for new technology act as an opportunity for growth of the market.

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Rise in demand for connected vehicles

The vehicles are equipped with various systems to detect obstacles or vehicles on road and take preventive measures such maintain the speed and distance of the vehicle from other vehicles. Also, presently the vehicles are connected to each other, and share information as per requirement which saves lag or delay and effort while travelling. Moreover, with these new technology's vehicles are becoming safer and more secure, which leads to higher safety of drivers and vehicles. For instance, in 2017 HARMAN International Inc. has developed a cloud-based platform HARMAN Ignite. The first fully integrated cloud-based platform for developing, managing, and operating in-vehicle applications which provides good connectivity, device management, analytics, safety, and others. Thus, the demand for technologically advanced vehicles is expected to drive growth of predictive vehicle technology market.

The Predictive Vehicle Technology industry is segmented -

By Application
Maintenance Analysis
Driving Pattern Analysis
Predictive Smart Parking
Proactive alerts
Safety & Security

By Hardware
ADAS component

OBD
Telematics

By Deployment
On Premise
Cloud

By Vehicle Type
Passenger Vehicle
Commercial Vehicle

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By Geography

North America
U.S.,
Canada,
Mexico

Europe
France,
Germany,
UK,
Russia,
Rest of Europe

Asia-Pacific
China,
Japan,
India,
South Korea,
Rest of Asia-Pacific

LAMEA
Latin America,
Middle East,
Africa

About Us
Allied Market Research (AMR) is a full-service market research and business-consulting wing of Allied Analytics LLP based in Portland, Oregon. Allied Market Research provides global enterprises as well as medium and small businesses with unmatched quality of "Market

Research Reports" and "Business Intelligence Solutions." AMR has a targeted view to provide business insights and consulting to assist its clients to make strategic business decisions and achieve sustainable growth in their respective market domain.

Pawan Kumar, the CEO of Allied Market Research, is leading the organization toward providing high-quality data and insights. We are in professional corporate relations with various companies and this helps us in digging out market data that helps us generate accurate research data tables and confirms utmost accuracy in our market forecasting. Each and every data presented in the reports published by us is extracted through primary interviews with top officials from leading companies of domain concerned. Our secondary data procurement methodology includes deep online and offline research and discussion with knowledgeable professionals and analysts in the industry.

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