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Saudi Arabia Connected Car Market By Technology Type (3G,4G,5G), By Connectivity (Embedded, Tethered, Integrated), By Communication (Vehicle To Vehicle, Vehicle to Infrastructure, Vehicle to cloud, Vehicle to Pedestrian, Vehicle to Everything), BY Service (Driving Assistance, Connected Safety, Well Being, Vehicle Management, Intersection Assistance, Emergency Braking, Others), By Region, Competition Forecast & Opportunities, 2018-2028

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Abstracts

Saudi Arabia Connected Car Market has shown growth in the past years, and it is anticipated to increase at a high rate in the forecast year 2023-2028. With connectivity on wheels, connected cars offer comfort, performance, security, and safety. With the help of such cutting-edge technology in connected cars, the driver and the passengers can connect with numerous web platforms that make real-time communication possible while they are driving. The Saudi Arabia-connected car market is expected to develop as a result of rising consumer demands, an ongoing need for connectivity, improved technology dependability, and an increase in the number of technology enthusiasts. Saudi Arabia's market for connected cars is also being driven by an increasing number of telematics regulations from the government of Saudi Arabia, all of those that are in place and those that are anticipated. Over the coming ten years, the market for connected cars may boost sales for automotive manufacturers in Saudi Arabia. Automotive manufacturers are expected to provide the optimum mix of application and product packages for their target audiences and must analytically invest in R&D to sustain their technological leadership. According to the research by the NIDC (National Industrial Development Corporation), 50% of drivers demand a rearview camera or

backup warning, more than 46% of drivers demand a blind-spot warning system, and about 15% of the buyers want a fully automatic accelerator in the new vehicle for increasing the safety.

New Technology and Software in Connected Car

Many technology firms and software developers are important for the development of the automotive sector. Two of the applications of connected cars, Vehicle-to-Vehicle (V2V) and Vehicle-to-Infrastructure (V2I) communication technologies, have made it possible for cars to create seamless contact with other vehicles and infrastructure. The connected car market has grown in Saudi Arabia because of the increasing use of artificial intelligence (AI) technology, which enables smarter interactions between the driver and the vehicle. Customers can experience fully autonomous driving thanks to the technology's wide range of sophisticated capabilities, including voice recognition, gesture recognition, driver monitoring, virtual assistance, and Natural Language Understanding (NLU).

Emergence Of Various Technologies, such as 5G And AI

The market for connected cars is expected to rise over the forecast period owing to the development of technologies such as 5G and AI. Many developed, and emerging nations are using 5G and AI technology across various sectors. For instance, mm-Wave 5G is being implemented in Europe and China for a limited number of specialized use cases with the intention of making it a standard technology by 2022. Similarly, more than 600 million people will have 5G subscriptions by the end of 2022, predicts Ericson. Similar to how new technologies such as artificial intelligence and machine learning are influencing companies of all sizes. Therefore, the development of 5G and AI technology is expected to fuel the market for connected cars.

Increasing Demand for Smart Solutions in Mobility

Future growth in the market for connected automobiles is being driven by rising demand for innovative mobility solutions. Companies and customers are working harder to develop intelligent automotive mobility solutions. A new network of smart transportation is created by the connection between linked infrastructure and smart vehicles. Thus, the rising demand for intelligent transportation solutions drives the market for connected cars.

Market Segmentation

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The Saudi Arabia Connected Car Market is segmented on the basis of vehicle type, technology type, connectivity, communication, service, region, and competitional landscape. Based on the vehicle type, the market is further bifurcated into passenger cars and commercial vehicles. Based on technology, the market is further divided into 3G, 4G, and 5G. Based on connectivity, the market is divided into embedded, tethered, and integrated. Based on communication, the market is segmented into vehicle to vehicle, vehicle to infrastructure, vehicle to cloud, vehicle to pedestrian, and vehicle to everything. Based on service, the market is divided into driving assistance, connected safety, well-being, vehicle management, intersection assistance, emergency braking, and others. On the basis of region, the market is divided into northern & central, western, eastern, and southern regions.

High-Security Threats in Connected Cars

The market for connected cars is expected to experience slow growth owing to rising cybersecurity concerns. The prevalence of software in connected cars raises the possibility that it will be used maliciously. Attackers can interfere with wireless communications to obstruct operations, take advantage of remote controls to take over the car, transmit false commands, and other tactics when targeting connected cars. These dangerous attacks limit consumer use of connected cars and have an adverse effect on the market's expansion.

Company Profiles

Apple Inc., AT&T Inc., Ford Motor Company, General Motors Company, BMW Group, Google Inc, Audi AG, Delphi Automotive PLC, NXP Semiconductors N.V, and Car Force., are among the major market players in the market that lead the market growth of the Saudi Arabia Connected Car Market.

Report Scope:

In this report, the Saudi Arabia Connected Car Market has been segmented into the following categories, in addition to the industry trends, which have also been detailed below:

Saudi Arabia Connected Car Market, By Vehicle Type:

Passenger Car

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Commercial Vehicle

Saudi Arabia Connected Car Market, By Technology Type:

4G

5G

3G

Saudi Arabia Connected Car Market, By Connectivity Type:

Embedded

Tethered

Integrated

Saudi Arabia Connected Car Market, By Communication Type:

Vehicle to Vehicle

Vehicle to Pedestrian

Vehicle to Cloud

Vehicle to Infrastructure

Vehicle to Everything

Saudi Arabia Connected Car Market, By Service Type:

Driving Assistance

Well-Being

Vehicle Management

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- Emergency Braking
- Connected Safety
- Intersection Assistance

Saudi Arabia Connected Car Market, By Region:

- Northern & Central Region
- Western Region
- Eastern Region
- Southern Region

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Saudi Arabia Connected Car Market.

Available Customizations:

With the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

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

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