

Global Automotive Steer-by-Wire System Market Research Report 2021-2025

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Abstracts

Steer-by-wire or x-by-wire technology in the automotive industry is the use of electrical or electro-mechanical systems for performing vehicle functions traditionally achieved by mechanical linkages. This technology replaces the traditional mechanical control systems with electronic control systems using electromechanical actuators and human-machine interfaces such as pedal and steering feel emulators.

The key driver of Automotive Steer-by-wire System technology is increased fuel efficiency, according to research, the global Automotive Steer-by-wire System market is expected to register a CAGR of 17.2% over 2016-2020.

The Automotive Steer-by-wire System Market can be divided into luxury, mid-level, and entry-level segments, and light commercial vehicles (LCVs), since the cost of DbW systems is often greater than conventional systems. The extra costs stem from greater complexity, development costs and the redundant elements needed to make the system safe, according to research, the luxury, mid-level vehicle will lead the market for the segments.

In terms of geography, the Europe is expecting to be the largest market around the world, which is also witnessing to grow at highest CAGR over the forecast period, region followed by North America, which is projected to have a significant growth for 2016-2020.

Electronic fuel injection metering in diesel and gasoline engines is now widely used. Electronic throttle control is also in widespread use for gasoline engine control. Purely electronic brake and steering systems have yet to find widespread application in passenger cars. This is primarily because of the significant safety implications of

steering or braking systems without a redundant mechanical backup in case of failure of the DbW system.

The global top vendors are like Nissan, Bosch Automotive Steering, JTEKT, ThyssenKrupp, Paravan.

Automotive Steer-by-Wire System Report by Material, and Geography – Global Forecast to 2025 is a professional and comprehensive research report on the world's major regional market conditions, focusing on the main regions (North America, Europe and Asia-Pacific) and the main countries (United States, Germany, United Kingdom, Japan, South Korea and China).

The report firstly introduced the Automotive Steer-by-Wire System basics: definitions, classifications, applications and market overview; product specifications; manufacturing processes; cost structures, raw materials and so on. Then it analyzed the world's main region market conditions, including the product price, profit, capacity, production, supply, demand and market growth rate and forecast etc. In the end, the report introduced new project SWOT analysis, investment feasibility analysis, and investment return analysis.

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