

# Global Vehicle Steer-by-wire System Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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## Abstracts

According to our (Global Info Research) latest study, the global Vehicle Steer-by-wire System market size was valued at USD 94 million in 2023 and is forecast to a readjusted size of USD 7220.8 million by 2030 with a CAGR of 86.0% during review period.

Vehicle steer-by-wire refers to a system that uses cables and wiring to electronically perform steering operations in a vehicle. In such a setup, there is no longer any mechanical connection between the input component for steering (e.g. the steering wheel) and the vehicle's wheels. Instead, all steering commands are transmitted electrically by a control unit to a motor that then executes the steering movement, thereby causing the wheels to turn in a corresponding manner. When steer-by-wire system is applied in autonomous cars, the steering wheel is either non-existent or can be folded in and out.

Global key players of vehicle steer-by-wire system include JTEKT Corporation, Bosch, Nexteer, etc. The top three players hold a share about 59%. Europe is the largest market, has a share about 47%, followed by North America and Asia-Pacific, with share 28% and 24%, separately.

The Global Info Research report includes an overview of the development of the Vehicle Steer-by-wire System industry chain, the market status of Level 3 Vehicle (Mechanical Redundancy, Electric Backup Redundancy), L4-L5 Vehicle (Mechanical Redundancy, Electric Backup Redundancy), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Vehicle Steer-by-wire System.

Regionally, the report analyzes the Vehicle Steer-by-wire System markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Vehicle Steer-by-wire System market, with robust domestic demand, supportive policies, and a strong manufacturing base.

#### Key Features:

The report presents comprehensive understanding of the Vehicle Steer-by-wire System market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Vehicle Steer-by-wire System industry.

The report involves analyzing the market at a macro level:

**Market Sizing and Segmentation:** Report collect data on the overall market size, including the sales quantity (K Units), revenue generated, and market share of different by Type (e.g., Mechanical Redundancy, Electric Backup Redundancy).

**Industry Analysis:** Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Vehicle Steer-by-wire System market.

**Regional Analysis:** The report involves examining the Vehicle Steer-by-wire System market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

**Market Projections:** Report covers the gathered data and analysis to make future projections and forecasts for the Vehicle Steer-by-wire System market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Vehicle Steer-by-wire System:

**Company Analysis:** Report covers individual Vehicle Steer-by-wire System manufacturers, suppliers, and other relevant industry players. This analysis includes

studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

**Consumer Analysis:** Report covers data on consumer behaviour, preferences, and attitudes towards Vehicle Steer-by-wire System. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Level 3 Vehicle, L4-L5 Vehicle).

**Technology Analysis:** Report covers specific technologies relevant to Vehicle Steer-by-wire System. It assesses the current state, advancements, and potential future developments in Vehicle Steer-by-wire System areas.

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Vehicle Steer-by-wire System market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

**Market Validation:** The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

## Market Segmentation

Vehicle Steer-by-wire System market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

### Market segment by Type

- Mechanical Redundancy

- Electric Backup Redundancy

### Market segment by Application

- Level 3 Vehicle

- L4-L5 Vehicle

## Major players covered

ZF

JTEKT Corporation

Nexteer

Schaeffler Paravan

Bosch

KYB Corporation

Mando Corporation

NSK Steering Systems

Zhejiang Shibao

DECO Automotive

Teemo Technology

ThyssenKrupp

## Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Vehicle Steer-by-wire System product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Vehicle Steer-by-wire System, with price, sales, revenue and global market share of Vehicle Steer-by-wire System from 2019 to 2024.

Chapter 3, the Vehicle Steer-by-wire System competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Vehicle Steer-by-wire System breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and Vehicle Steer-by-wire System market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Vehicle Steer-by-wire System.

Chapter 14 and 15, to describe Vehicle Steer-by-wire System sales channel, distributors, customers, research findings and conclusion.

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