

At a CAGR of 6.2%, Drive by Wire Market Size To Reach USD 37.77 Billion in 2032 | Emergen Research

Increasing investment in Drive by System by major Other Equipment Manufacturers (OEMs) and system manufacturers is a significant factor driving the market

VANCOUVER, BC, CANADA, April 18, 2023 /EINPresswire.com/ -- Emergen Research has recently published a comprehensive research study titled "[Drive by Wire Market](#) is Growing Rapidly", indicating a rising interest in Drive by Wire research in the year 2023.



The global drive by wire market size is expected to reach USD 37.77 Billion at a steady revenue CAGR of 6.2% in 2032, according to latest analysis by Emergen Research. Rising development of

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Drive by Wire Market Size – USD 20.60 Billion in 2022, Market Growth – at a CAGR of 6.2%, Market Trends – Growth of connected infrastructure

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Emergen Research

autonomous vehicles can be attributed to the steady market revenue growth of drive by wire. Drive-by-wire systems enable autonomous software to send signals to the car, employing a control mechanism to steer, accelerate, brake, and change gears as necessary in the world of autonomous automobiles. This system can manifest itself in a variety of ways, including full ‘robot-in-the-seat’ systems, systems that just transmit electronic messages (through the vehicle CANBus), and systems that integrate into the current power-assisted vehicle architecture. The ‘automotive’ technological stack already present in the vehicle is what truly enables the software to

‘steer’ the vehicle, despite the considerable effort (and expense) that has gone into developing autonomous software. The drive by wire technology is therefore still the most crucial safety

component for autonomous vehicles, with enormous ramifications for time-to-market, safety, dependability, and scalability.

One of the main factors, which could restrain revenue growth of the market is the high cost of systems and the lack of semiconductor chips, which can disrupt automotive drive by wire supply chains. According to the U.S. Department of Transportation, the cost of each drive-by-wire system will increase by between USD 1,000 and USD 2,000. Increase in the overall cost of the car could limit revenue growth of the market. The global microchip shortage also cost the automotive sector more than USD 200 billion in 2021. In order to focus on truck assembly, which has greater profit margins, Ford and other significant international manufacturers stopped production at a number of their factories. The continuous shortage of semiconductor chips has already caused businesses that require them to reconsider their long-term purchasing strategies.

To gain genuine analysis and a thorough understanding of the market, interested parties can request a sample of the report. <https://www.emergenresearch.com/request-sample/1573>

(The report sample includes a brief introduction to the research report, a table of contents, a graphical presentation of regional analysis, a revenue analysis of the top players in the market, and a detailed explanation of the research methodology.)

The sample report we provide may consist of the following elements:

An introduction to the updated report for the year 2032, including a comprehensive overview and in-depth industry analysis.

A 250+ page research report with updated research findings.

Chapter-wise guidance available upon request.

Updated regional analysis for the year 2023, presented with graphical representations of size, share, and trends.

An updated list of tables and figures included in the report.

The updated report includes a list of top market players, along with their business strategy, sales volume, and revenue analysis.

Important information in the market study

The research offers thorough analysis and futuristic insights into the industry in several different regions. See how the most important regional growth drivers and restraints will affect market development and gain a grasp of uncertainty.

In order to understand how the demand across various segments will change over the following few years, evaluate market size statistics and projections. Get a thorough understanding of new market trends and developments to evaluate market prospects.

□ Learn more about the competition by having access to in-depth data and research on important industry players.

Robert Bosch GmbH, Continental AG, ZF Friedrichshafen AG, Nexteer Automotive, CTS Corporation, Ficosa Internacional SA, Kongsberg Automotive, Hitachi, Ltd., Infineon Technologies AG, and Curtiss-Wright Corporation

Drive by Wire Market – Segmentation Assessment

Application Outlook (Revenue, USD Million; 2019–2032)

Brake by Wire

Park by Wire

Shift by Wire

Steer by Wire

Throttle by Wire

Sensor Type Outlook (Revenue, USD Million; 2019–2032)

Brake Pedal Sensor

Hand Wheel Angle Sensor

Gear Shift Position Sensor

Pinion Angle Sensor

Park Sensor

Throttle Pedal Sensor

Throttle Position Sensor

Component Outlook (Revenue, USD Million; 2019–2032)

Actuator

Electronic Control Unit (ECU)

Engine Control Module (ECM)

Electronic Throttle Control Module (ETCM)

Electronic Transmission Control Unit (ETCU)

Feedback Motor

Parking Pawl

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Regional Analysis:

» North America: United States, Canada, and Mexico

» South & Central America: Argentina, Chile, Brazil and Others

» Middle East & Africa: Saudi Arabia, UAE, Israel, Turkey, Egypt, South Africa & Rest of MEA.

» Europe: UK, France, Italy, Germany, Spain, BeNeLux, Russia, NORDIC Nations and Rest of Europe.

» Asia-Pacific: India, China, Japan, South Korea, Indonesia, Thailand, Singapore, Australia and Rest of APAC.

High point the Following Key Factors:

Business description: A detailed overview of the company's operations and business departments.

Company strategy: A summary of the company's business strategy provided by the analyst.

SWOT analysis: A detailed analysis of the company's strengths, weaknesses, opportunities, and threats.

Company history: A summary of major events related to the company's progress.

Main products and services: A list of the company's main products, services, and brands.

Main competitors: A list of the company's main competitors.

Important locations and subsidiaries: A list of the company's main locations and subsidiaries with contact information.

Detailed financial ratios of the past five years: Latest financial ratios obtained from the annual financial statements of companies with a history of five years.

The Emergen Research study is expected to provide the following benefits:

Latest industry trends and development scenario for 2023

Identification of powerful market opportunities to help with market sizing

Key decision-making insights for planning and expanding market share

Identification of key business segments, market proposition, and gap analysis

Assistance in allocating marketing investments

Updated methodology from Emergen Research to ensure accurate and reliable findings.

Global Drive by Wire Market Definition and Scope

2.1. Objective of the Study

2.2. Market Definition & Scope

2.2.1. Scope of the Study

2.2.2. Industry Evolution

2.3. Years Considered for the Study

2.4. Currency Conversion Rates

Global Drive by Wire Market Dynamics

3.1. Drive by Wire Market Impact Analysis (2020-2030)

3.1.1. Market Drivers

3.1.2. Market Challenges

3.1.3. Market Opportunities

Global Drive by Wire Market Industry Analysis

4.1. Porter's 5 Force Model

4.1.1. Bargaining Power of Suppliers

4.1.2. Bargaining Power of Buyers

4.1.3. Threat of New Entrants

4.1.4. Threat of Substitutes

4.1.5. Competitive Rivalry

4.1.6. Futuristic Approach to Porter's 5 Force Model (2020-2030)

4.2. PEST Analysis

4.2.1. Political

4.2.2. Economical

4.2.3. Social

4.2.4. Technological

4.3. Investment Adoption Model

4.4. Analyst Recommendation & Conclusion

□ What is the primary factor driving the global Drive by Wire market?

□ What are the market's restricting factors?

□ Who are the major market participants?

□ Which region has the greatest market share?

□ What are the most current global Drive by Wire market trends?

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We offer market intelligence studies ensuring relevant and fact-based research across multiple industries, including Healthcare, Touch Points, Chemicals, Types, and Energy. We consistently update our research offerings to ensure our clients are aware of the latest trends existent in the market. Emergen Research has a strong base of experienced analysts from varied areas of expertise. Our industry experience and ability to develop a concrete solution to any research problems provides our clients with the ability to secure an edge over their respective competitors.

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