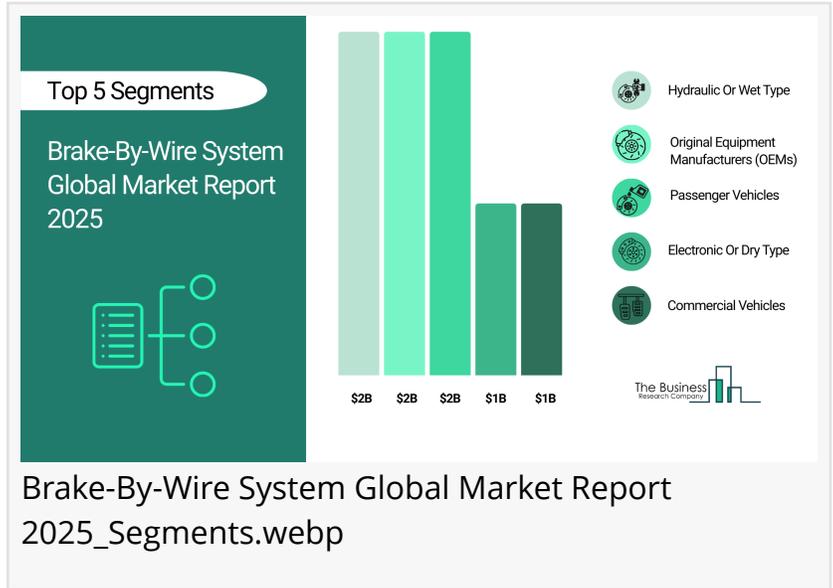


Brake-By-Wire System Market In 2029

The Business Research Company's Brake-By-Wire System Global Market Report 2025 – Market Size, Trends, And Global Forecast 2025-2034

LONDON, GREATER LONDON, UNITED KINGDOM, December 31, 2025 /EINPresswire.com/ -- "Brake-By-Wire System Market to Surpass \$4 billion in 2029. Within the broader Transport industry, which is expected to be \$8,792 billion by 2029, the brake-by-wire system market is estimated to account for nearly 0.05% of the total market value.



Which Will Be the Biggest Region in the Brake-By-Wire System Market in 2029



The Business Research Company's Latest Report Explores Market Driver, Trends, Regional Insights - Market Sizing & Forecasts Through 2034"

The Business Research Company

Asia Pacific will be the largest region in the brake-by-wire system market in 2029, valued at \$1,215 million. The market is expected to grow from \$729 million in 2024 at a compound annual growth rate (CAGR) of 11%. The rapid growth is supported by the increasing urban congestion and smart mobility and rising number of traffic accidents.

Which Will Be The Largest Country In The Global Brake-By-Wire System Market In 2029?

China will be the largest country in the brake-by-wire system market in 2029, valued at \$755 million. The market

is expected to grow from \$463 million in 2024 at a compound annual growth rate (CAGR) of 10%. The rapid growth can be attributed to the increasing urban congestion and smart mobility and growing commercial vehicle and passenger vehicle.

Request a free sample of the Brake-By-Wire System Market report

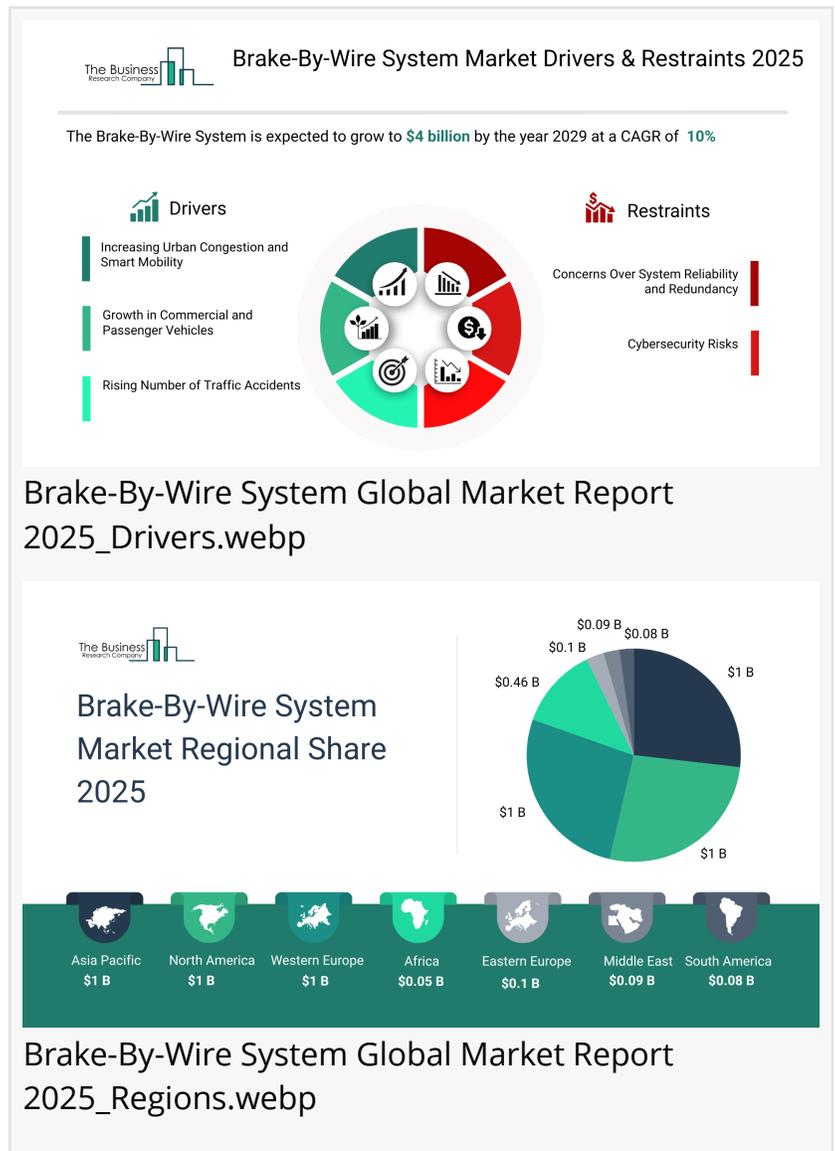
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What will be Largest Segment in the Brake-By-Wire System Market in 2029?

The brake-by-wire system market is segmented by type into hydraulic or wet type and electronic or dry type. The hydraulic or wet type market will be the largest segment of the brake-by-wire system market segmented by type, accounting for 55% or \$2,191 million of the total in 2029. The hydraulic or wet type market will be supported by the familiarity and widespread use of Hydraulic Braking Systems in traditional braking setups, smoother braking feel preferred by drivers, strong compatibility with existing braking infrastructure, relatively lower cost of integration into current vehicle models, increasing use in commercial vehicles requiring high braking force, strong performance in high-load conditions and rising adoption in hybrid models that use blended braking systems.

The brake-by-wire system market is segmented by sales channel into original equipment manufacturers (OEMs) and aftermarket. The original equipment manufacturers (OEMs) market will be the largest segment of the brake-by-wire system market segmented by sales channel, accounting for 82% or \$3,277 million of the total in 2029. The original equipment manufacturers (OEMs) market will be supported by automakers integrating advanced braking systems during production to meet evolving safety and performance standards, rising production of electric and hybrid vehicles with factory-installed brake-by-wire systems, increased regulatory pressure to adopt eco-friendly components, ongoing collaborations between OEMs and system suppliers for integrated solutions, focus on reducing vehicle weight and improving fuel efficiency, strong demand from premium and luxury vehicle segments and government incentives supporting the adoption of intelligent braking systems.

The brake-by-wire system market is segmented by application into passenger vehicles and commercial vehicles. The passenger vehicles market will be the largest segment of the brake-by-wire system market segmented by application, accounting for 71% or \$2,848 million of the total in 2029. The passenger vehicles market will be supported by increasing sales of mid-range and luxury passenger vehicles equipped with advanced safety systems, rising consumer preference



for smooth and comfortable driving experiences, growing penetration of electric and hybrid cars among private users, integration of Advanced Driver Assistance Systems (ADAS) features requiring electronic braking, government regulations focused on vehicle safety performance, high urbanization leading to demand for responsive braking in traffic conditions and Original Equipment Manufacturers (OEMs) efforts to differentiate through enhanced braking technologies.

What is the expected CAGR for the Brake-By-Wire System Market leading up to 2029?
The expected CAGR for the brake-by-wire system market leading up to 2029 is 10%.

What Will Be The Growth Driving Factors In The Global Brake-By-Wire System Market In The Forecast Period?

The rapid growth of the global brake-by-wire system market leading up to 2029 will be driven by the following key factors that are expected to reshape automotive safety, control systems, and next-generation mobility worldwide.

Increasing Urban Congestion And Smart Mobility - The increasing urban congestion and smart mobility will become a key driver of growth in the brake-by-wire system market by 2029. Urban congestion and the rise of smart mobility solutions are accelerating the adoption of brake-by-wire systems by demanding faster, more precise braking for improved traffic flow and safety. These electronic systems enable seamless integration with advanced driver-assistance and autonomous technologies, making them ideal for connected, data-driven urban transport networks. Additionally, their reduced mechanical complexity supports lower maintenance and better efficiency in high-frequency stop-and-go conditions common in city environments. Therefore, increasing urban congestion and smart mobility will drive the growth of the brake-by-wire system market. As a result, the increasing urban congestion and smart mobility is anticipated to contributing to a 2.3% annual growth in the market.

Growth In Commercial Vehicle And Passenger Vehicle - The growth in commercial vehicle and passenger vehicle will emerge as a major factor driving the expansion of the brake-by-wire system market by 2029. The commercial and passenger vehicle production directly supports the expansion of brake-by-wire (BbW) systems, as manufacturers seek advanced braking technologies to enhance safety, performance, and efficiency. Increasing demand for electric and autonomous vehicles within both segments further accelerates the adoption of BbW, which offers faster response times, precise control, and compatibility with modern vehicle architectures. Commercial fleets benefit from reduced maintenance and improved diagnostics, while passenger vehicles gain enhanced driving comfort and safety features. Therefore, growth in commercial vehicle and passenger vehicle will drive the growth of the brake-by-wire system market. Consequently, the growth in commercial vehicle and passenger vehicle is projected to contributing to a 1.8% annual growth in the market.

Rising Number Of Traffic Accidents - The rising number of traffic accidents within digital manufacturing processes will serve as a key growth catalyst for the brake-by-wire system market

by 2029, the increasing incidence of traffic accidents is intensifying the demand for advanced safety technologies, positioning brake-by-wire systems as a critical solution. By enabling faster, more precise braking response than traditional systems, brake-by-wire enhances vehicle control and reduces collision risks. Its seamless integration with advanced driver-assistance systems (ADAS) and autonomous driving platforms further supports OEMs in meeting evolving safety standards. Consequently, the surge in road accidents is accelerating the adoption of brake-by-wire systems as a strategic imperative for enhancing automotive safety performance. Therefore, the rising number of traffic accidents will drive the growth of the brake-by-wire system market. Therefore, this rising number of traffic accidents is projected to supporting to a 1.3% annual growth in the market.

Favorable Government Incentives - The favorable government incentives will become a significant driver contributing to the growth of the brake-by-wire system market by 2029. Favorable government incentives play a pivotal role in driving the adoption of brake-by-wire systems by lowering development costs and encouraging investment in advanced braking technologies. Financial support mechanisms such as tax credits, subsidies, and R&D grants accelerate innovation and facilitate the commercialization of high-performance, safety-enhancing solutions. Moreover, regulatory alignment with the growth of electric and autonomous vehicles further strengthens demand for brake-by-wire integration. Therefore, Favorable government incentives will drive the growth of the brake-by-wire system market. Consequently, the favorable government incentives is projected to contributing to a 0.8% annual growth in the market.

Access the detailed Brake-By-Wire System Market report here:

<https://www.thebusinessresearchcompany.com/report/brake-by-wire-system-global-market-report>

What Are The [Key Growth Opportunities In The Brake-By-Wire System Market in 2029?](#)

The most significant growth opportunities are anticipated in the hydraulic or wet type brake-by-wire system market, the original equipment manufacturers (OEMs) brake-by-wire system market, and the brake-by-wire system for passenger vehicles market. Collectively, these segments are projected to contribute over \$3 billion in market value by 2029, driven by advancements in electronic braking technologies, rising demand for lightweight and energy-efficient braking architectures, and the accelerating shift toward electrified and autonomous mobility. This surge reflects the growing preference for wire-controlled braking systems that offer faster response times, improved safety integration, and enhanced vehicle dynamics, fueling transformative growth within the broader brake-by-wire systems industry.

The original equipment manufacturers (OEMs) brake-by-wire system market is projected to grow by \$1,189 million, and the brake-by-wire system for passenger vehicles market by \$1,037 million and the hydraulic or wet type brake-by-wire system market by \$659 million over the next five years from 2024 to 2029.

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The Business Research Company
Americas +1 310-496-7795
Europe +44 7882 955267
Asia & Others +44 7882 955267 & +91 8897263534
Email: info@tbrc.info"

Oliver Guirdham
The Business Research Company
+44 7882 955267
info@tbrc.info

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