

Europe and GCC Busway Market is registering a CAGR of 5.7% and is projected to reach \$3,360.2 million by 2032

market is poised for significant growth, driven by urbanization, industrial expansion, and advancements in smart building technologies

WILMINGTON, DE, UNITED STATES, March 13, 2025 /EINPresswire.com/ -- The [Europe and GCC busway](#) market was valued at \$1,966.3 million in 2022 and is projected to reach \$3,360.2 million by 2032, registering a CAGR of 5.7% from 2023 to 2032. The market study covers over 10 countries, providing a segment-wise analysis of each in terms of value (\$ million) for the forecast period.

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Busways are electrical distribution systems comprising bus bars enclosed within a protective casing. They transport electrical power within buildings and industrial facilities. The system consists of straight sections, fittings, devices, and accessories. Busways are categorized into low-voltage (up to 600V), medium-voltage (600V to 69kV), and high-voltage (69kV to 230kV) systems.

Key players in the market include ABB, Eaton Corporation, Godrej and Boyce, General Electric, Qetaf Electrics, Powell Industries, Schneider Electric, Siemens AG, Legrand, EAE, Graziadio and C.S.P.A, Beshielding S.R.L, DKC, ALOjaimi Industry, Bahra Electric, Fuji Electric, Vertiv, and Elsewedy Electric. These companies adopt strategies such as contracts, partnerships, acquisitions, and product innovations.

The rapid expansion of urban areas necessitates advanced electrical distribution systems. According to the United Nations, Europe is one of the most urbanized regions, with urbanization expected to reach 83.7% by 2050. Infrastructure projects, including roads, bridges, and public utilities, drive demand for low and medium-voltage busways. The GCC region also continues to

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witness significant urbanization, particularly in Saudi Arabia and the UAE, where smart city projects like NEOM and Masdar City are gaining momentum.

Industrial and Smart City Applications

Industries require robust electrical distribution systems to power machinery and production lines. Government initiatives, such as the UAE’s Dubai Industrial Strategy 2030, bolster industrial expansion, thereby increasing demand for efficient power transmission solutions. Busways provide flexibility and durability for industrial applications. Similarly, Europe’s Green Industrial Plan promotes energy-efficient electrical solutions, leading to the growing adoption of busways in factories and warehouses.

Integration with Renewable Energy and Smart Buildings

The shift towards renewable energy sources and smart building systems enhances the adoption of busways. These systems support energy-efficient power distribution and are integral to automation and IoT-enabled infrastructures. The European Union’s commitment to reducing carbon emissions has accelerated investments in green technologies, further boosting demand for busways in sustainable energy projects. GCC countries, too, are investing heavily in renewable energy, with Saudi Arabia aiming to derive 50% of its electricity from renewables by 2030.

Material Costs and Market Volatility

Impact of Copper and Aluminum Prices

The costs of copper and aluminum, primary components of busways, are highly volatile. Price fluctuations affect production costs, influencing manufacturers' profit margins and market competitiveness. Increased material costs may also be passed on to consumers, reducing affordability and adoption rates.

High Initial Investment Costs

Busway installations require substantial initial investments, including design, customization, and installation expenses. While long-term benefits include efficiency and durability, high upfront costs can deter small and medium enterprises (SMEs) from adopting these systems. However, government subsidies and incentives for energy-efficient infrastructure could help offset these costs.

Challenges in Emerging Markets

Despite their advantages, busways are still not widely adopted in some emerging markets within the GCC region. Traditional cabling solutions dominate certain industries due to familiarity and lower initial investment costs. Education and awareness campaigns by manufacturers and

governments could help bridge this gap.

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Copper

Aluminum

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Low-voltage

Medium-voltage

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16A-25A

160A-1000A

630A-6300A

Others

□□ □□□□□□□□□□□□

Data centers

Industrial facilities

Residential buildings

Hospitals

Malls

Stadiums

Others

□□ □□□□□□

Europe (Germany, UK, France, Italy, Russia, Rest of Europe)

GCC (Saudi Arabia, UAE, Kuwait, Oman, Bahrain, Qatar)

Regional Analysis

Europe

Europe's focus on smart building initiatives and digital transformation is boosting demand for busways. The EU's industrial strategy prioritizes energy efficiency, and busways align with these sustainability goals by reducing power losses during distribution.

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In August 2023, Legrand introduced the next-generation Starline Series-S Track Busway, featuring IP54 ingress protection for enhanced safety and efficiency.

Germany's government announced new funding for smart grid infrastructure, which is expected to drive demand for advanced busway systems.

France's commercial construction sector is incorporating modular electrical distribution solutions, increasing demand for busways.

GCC

The GCC region is experiencing rapid industrialization, with countries investing in infrastructure and smart city projects. The UAE's Dubai Industrial Strategy 2030 supports innovation-driven manufacturing, increasing demand for advanced electrical distribution solutions. Saudi Arabia's Vision 2030 initiative has also boosted the region's smart infrastructure development.

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In October 2023, the Saudi Electric Company (SEC) announced a \$500 million investment in power transmission projects, increasing demand for busway systems.

Dubai's 2040 Urban Master Plan promotes sustainable and energy-efficient construction, driving busway adoption.

Competitive Landscape

Major companies in the market are adopting various strategies to strengthen their positions:

Vertiv Group Corp. (January 2024): Expanded capacity by over 100% for switchgear and busway production following its acquisition of E&I Engineering and PowerBar Gulf.

Fuji Electric (October 2023): Announced plans to expand its manufacturing footprint in India to supply busway components to Europe and Asia-Pacific markets.

Elsewedy Electric (June 2022): Opened a busway dielectric epoxy insulation manufacturing facility in Egypt to support infrastructure projects across Africa and the Middle East.

Legrand Group (March 2022): Partnered with Michael Smith Switchgear to incorporate Zucchini busbars in switchgear assemblies.

Impact of Geopolitical Factors

Russia-Ukraine War

The ongoing conflict has disrupted supply chains, affecting the availability of raw materials used in busway manufacturing. The resulting economic uncertainty has influenced investment decisions, delaying infrastructure projects in Europe and the GCC. Manufacturers are seeking alternative supply chains to mitigate these risks.

Middle East Geopolitical Tensions

Uncertainties surrounding geopolitical conflicts in the Middle East may impact investment trends in electrical infrastructure. However, the long-term focus on smart city initiatives and energy-efficient projects continues to drive demand.

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