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Global Medium-Voltage Environmentally Friendly Gas-Insulated Switchgear Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Medium-Voltage Environmentally Friendly Gas-Insulated Switchgear market size was valued at US$ 4515 million in 2025 and is forecast to a readjusted size of US$ 6136 million by 2032 with a CAGR of 4.4% during review period.

Medium-voltage environmentally friendly gas-insulated switchgear is a type of power distribution equipment used in voltage levels of 3.6–40.5 kV. It uses environmentally friendly insulating gases (such as dry air, nitrogen, or novel mixed gases) to replace traditional SF? gas. Its core function is to control, protect, and isolate the power system while ensuring safe operation of the equipment within a compact space. It solves the problems of high global warming potential (GWP) and environmental pollution associated with traditional SF? gas, meeting the needs of the power industry for carbon reduction and green development. The average price of this product is approximately US$65,000 per unit, with global sales of approximately 67,500 units.

Upstream components include environmentally friendly insulating gases (C4-FN, CO?, dry air), copper, steel, vacuum circuit breakers, and sensors; midstream components are GIS manufacturers responsible for design, assembly, and testing; downstream components include power grid companies, new energy power plants, rail transit, and data centers. Future development trends include the application of new low-GWP gases to replace SF?, modular design, intelligent monitoring, and digital operation and maintenance. With the advancement of carbon neutrality policies, environmentally friendly GIS will gradually replace traditional SF? GIS, becoming the mainstream choice for future power grids and industrial power distribution.

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This report is a detailed and comprehensive analysis for global Medium-Voltage Environmentally Friendly Gas-Insulated Switchgear market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Medium-Voltage Environmentally Friendly Gas-Insulated Switchgear market size and forecasts, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2021-2032

Global Medium-Voltage Environmentally Friendly Gas-Insulated Switchgear market size and forecasts by region and country, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2021-2032

Global Medium-Voltage Environmentally Friendly Gas-Insulated Switchgear market size and forecasts, by Type and by Application, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2021-2032

Global Medium-Voltage Environmentally Friendly Gas-Insulated Switchgear market shares of main players, shipments in revenue ($ Million), sales quantity (K Units), and ASP (US$/Unit), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries
To assess the growth potential for Medium-Voltage Environmentally Friendly Gas-Insulated Switchgear
To forecast future growth in each product and end-use market
To assess competitive factors affecting the marketplace

This report profiles key players in the global Medium-Voltage Environmentally Friendly Gas-Insulated Switchgear market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study

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include ABB, Siemens, Schneider, Mitsubishi Electric, Toshiba, Hitachi Energy, GE Grid, Eaton, Hyundai Electric, LS Electric, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Medium-Voltage Environmentally Friendly Gas-Insulated Switchgear market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Dry Air Type

Nitrogen Type

C4-FN Mixed Gas Type

Other

Market segment by Voltage Level

12 kV

24 kV

36 kV

40.5 kV

Market segment by Installation Method

Indoor Type

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Outdoor Type

Market segment by Application

Power Grid Distribution

Rail Transit

New Energy

Other

Major players covered

ABB

Siemens

Schneider

Mitsubishi Electric

Toshiba

Hitachi Energy

GE Grid

Eaton

Hyundai Electric

LS Electric

Fuji Electric

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Ormazabal

Tavrida Electric

CG Power

NR Electric

Pinggao Group

China XD Group

XJ Group

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 Medium-Voltage Environmentally Friendly Gas-Insulated Switchgear product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Medium-Voltage Environmentally Friendly Gas-Insulated Switchgear, with price, sales quantity, revenue, and global market share of Medium-Voltage Environmentally Friendly Gas-Insulated Switchgear from 2021 to 2026.

Chapter 3, the Medium-Voltage Environmentally Friendly Gas-Insulated Switchgear competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Medium-Voltage Environmentally Friendly Gas-Insulated Switchgear breakdown data are shown at the regional level, to show the sales quantity,

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consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

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 2021 to 2026.and Medium-Voltage Environmentally Friendly Gas-Insulated Switchgear market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

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 Medium-Voltage Environmentally Friendly Gas-Insulated Switchgear.

Chapter 14 and 15, to describe Medium-Voltage Environmentally Friendly Gas-Insulated Switchgear sales channel, distributors, customers, research findings and conclusion.

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