

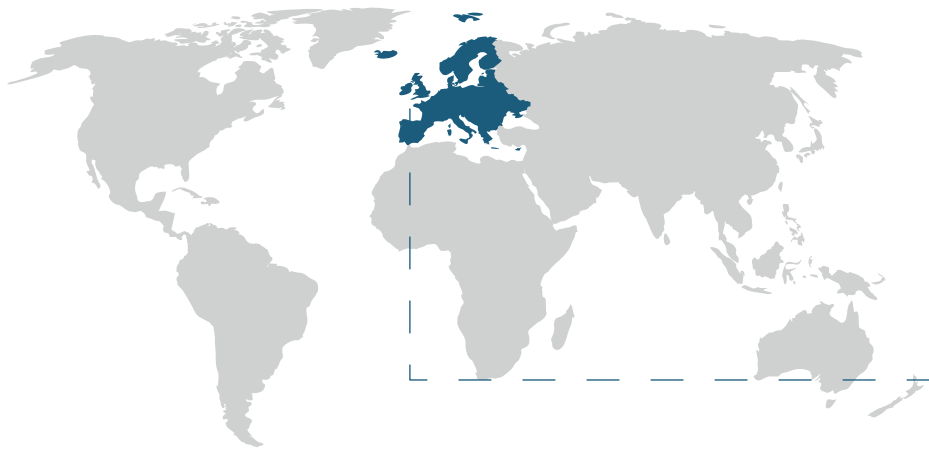


Overview of the European HV Switchgear Market

This infographic highlights the following key areas:

- Europe's HV Switchgear market revenue forecast from 2022 to 2027.
- Major HV Switchgear OEMs operating within this market.
- The EU's decision to ban SF₆, a greenhouse gas commonly used in switchgear, and its impact on the market.

Europe's HV Switchgear Market, 2022-2027



Revenue 2022-2027

Revenue growth is expected to be steady between **2022 and 2027** with a **CAGR** of **6.5%**

In 2022, Europe represents **20%** of the annual market for HV switchgear bays.

HV Switchgear OEM Market Shares

 Hitachi Energy

 SIEMENS
energy

 HD HYUNDAI
ELECTRIC

 TJIN
Electric

The SF₆ Ban in Europe

Sulfur hexafluoride (SF₆) is the F-gas with the highest GWP, 23,500 times greater than carbon dioxide over one hundred years.

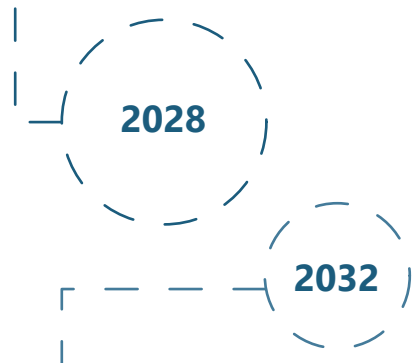
In March 2023, the EU Parliament reaffirmed a steeper phase-out of F-gases in the sale of new electrical infrastructure, aimed at reducing greenhouse gas emissions.

Deadlines proposed in 2022 F-gas regulations were adopted, except for HV switchgear >145kV. Negotiations may extend this deadline to 2032.

Impacts on the switchgear industry in Europe:

- Renewables, like wind power, will benefit from SF₆-free solutions
- New manufacturers may enter the HV market
- Competition will drive down costs in the SF₆-free market
- Solid Insulated Switchgear (SIS) may become an alternative technology
- Utilities will invest in staff training for SF₆-free solutions
- More retro-filling SF₆-free options can be expected.

— HV switchgear from **>52kV to ≤145kV**
Short circuit current ≤50kA



HV switchgear from **>145kV**
Short circuit current > 50kA