



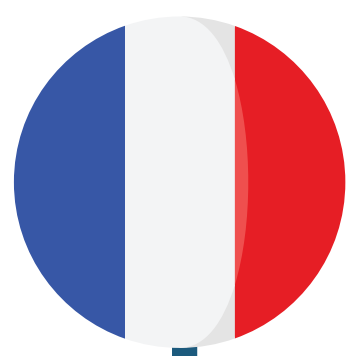
# Powering Up the UK: 25 GW of HVDC Transmission Capacity by 2030

This infographic provides insights on the planned expansion of cross-border and nation-wide HVDC transmission capacity of the UK.

HVDC Infographic

HVDC Transmission Capacity Addition  
(2017-2021): 10.4 GW

**5.8 GW**



France

**3.7 GW**



Ireland

**2.7 GW**



Germany

Top 3 Countries w.r.t planned expansion of  
HVDC interconnections with the UK

Planned Nationwide  
Transmission Capacity Expansion: 8.8 GW

Planned Cross Broder Transmission Capacity  
Expansion: 16.2 GW

VSC HVDC Technology will deployed for these  
interconnections

- The UK intends to install 25 GW of additional HVDC transmission capacity by 2030, making it the most significant advancement in Europe.
- The UK plans to build HVDC interconnections with France, Ireland, Germany , Belgium, Denmark, Norway, and Scotland.
- These developments are in line with the UK's vision to power load centers nationwide with entirely clean electricity by 2035, as well as to integrate 40 GW of offshore wind power expansion by 2030.
- These interconnections will enable cost-effective integration of renewables to help the UK in meeting its Net-Zero target by 2050.