

Power Generation

Hydropower	Thermal Power Generation	Wind Power Generation	Solar PV Power Generation	Nuclear Power Generation	Offshore Wind Power Transmission
------------	--------------------------	-----------------------	---------------------------	--------------------------	----------------------------------

Core Products

- Generators and Transformers
- Wind and Offshore Wind Integration
- Pumped-storage and Virtual Power Plants
- Hydropower Generation Equipment
- Arc Suppression Coils
- Nuclear and Thermal Power Plant Equipment
- Relay Protection and Automation Systems
- Protection and Control Equipment
- Digital platform for real-time plant monitoring
- Power-to-Hydrogen Reactors

Capabilities

- Power generation, energy storage and resilience planning and design
- Equipment supply, installation, testing & commissioning
- Renewable energy integration
- Deployment of Supervisory Control and Data Acquisition (SCADA) & monitoring systems
- AI-enabled energy optimisation
- Operation & Maintenance Services

Solar, nuclear, wind, hydro and offshore power generation are no longer alternative sources, they are primary sources of new capacity. Getting power from the point of generation to the grid reliably and at scale demands equipment and engineering that can perform without compromise.

Terra Sol supplies the electrical systems behind all kinds of power stations. From intelligent PV stations and wind farm integration to hydropower automation and offshore Voltage Source Converter-High Voltage Direct Current (VSC-HVDC) transmission, Terra Sol delivers customized solutions tailored to meet the evolving energy demands of our clients



 Every Plant Type Hydro, Thermal, Wind, Solar, Nuclear	 World's Largest Offshore Wind Converter Station
 Asia's Largest Rooftop Solar Power Project	 Rides Out Grid Dips Keeps Renewables Online
 Turnkey Delivery Design, Build and Maintain	 Digital Platform Smart Monitoring & Management

Applications

- Utilities and Independent Power Producers (IPPs)
- Data Centres
- Healthcare Facilities
- Airports and Transportation Hubs
- Industrial Manufacturing Plants
- Commercial and Mixed-Use Developments

Customized

Reliable

Sustainable