



PROMERGON

Energy Infrastructure Projects & References

Engineering • Procurement • Construction
Turn-Key Energy Solutions for Renewables, Grid & Storage

Germany | United Kingdom | Greece



WIND FARMS PROJECTS

Onshore & Offshore Wind Energy Projects

United Kingdom | Scotland | Taiwan



ONSHORE WIND FARMS

Barlockhart Wind Farm , Scotland

Project Overview

- **Location:** Near Glenluce, Dumfries and Galloway, Scotland
- **Turbines:** 4 × Senvion MM92/2050

Installed Capacity

- Capacity per turbine: **2.05 MW**
- Total installed capacity: **8.2 MW**



ONSHORE WIND FARMS

Middlemoor Wind Farm, UK

Project Overview

- **Location:** Northumberland, United Kingdom

Installed Capacity

- Total installed capacity: **54 MW**

Project Impact

- Annual production sufficient for approx. **27,600 households**



ONSHORE WIND FARMS

Todmorden Wind Farm, UK

Project Overview

- **Location:** Calderdale, West Yorkshire, United Kingdom

Installed Capacity

- Total installed capacity: **12.3 MW**

Project Impact

- Supports regional renewable energy supply
- Contributes to local sustainability initiatives



OFFSHORE WIND FARMS

Burbo Bank Offshore Wind Farm, UK

Project Overview

- **Location:** Liverpool Bay, United Kingdom
- **Developer:** Ørsted

Installed Capacity

- Total installed capacity: **90 MW**

Project Impact

- Supplies clean electricity to approx. **80,000 households**



OFFSHORE WIND FARMS

Hornsea One Offshore Wind Farm, UK

Project Overview

- **Location:** Offshore Yorkshire, United Kingdom
- **Developer:** Ørsted

Installed Capacity

- Total installed capacity: **218 MW**



PHOTOVOLTAIC PARK PROJECTS

Large-scale solar power generation projects

Denmark | Germany | Romania | Netherlands | Sweden



PV Parks – EU

PV Park, Limenshaim, Germany
20 MW

Client: Private Investor

- Major solar installation supporting regional sustainable energy production
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PV Park, Dortmund, Germany
60 MW

Client: Volksbank

- **EPC solution** including HV grid connection via substation and **10,000 m** electrical transmission line

PV Park, Rostock , Germany
120 MW

Client: Private Investor

- **EPC project** with grid connection via **63/80 MVA HV substation**
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PV Park, Hallsberg, Sweden
85 MW

Client : Uniper

- **Full EPC delivery** including HV substation, grid connection, and balance-of-plant infrastructure



PV Parks – EU

PV Park, Denmark 175 MW

Client / Partner: Amplio - Investor

- Integrated hybrid power plant solution
 - Utility-scale **hybrid renewable energy plant** with **50 MW / 200 MWh** Battery Energy Storage System (BESS)
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PV Park, Bavaria, Germany 120 MW

Client : International Renewable Energy Fund

- Turnkey EPC solution including MV network, inverter stations, and site infrastructure
- HV substation connection with full commissioning and handover

PV Park, Groningen, Netherlands 103 MW

Client: Private Investor

- Utility-scale photovoltaic park project
-

PV Park, Rătești, Romania 155 MW

Client: Thor Solar

- All-inclusive EPC delivery of a large-scale photovoltaic power plant, including civil works and electrical BoP
- MV network, HV substation, grid connection, commissioning, and handover



BATTERY ENERGY STORAGE PROJECTS

Turnkey EPC delivery of grid-scale BESS

United Kingdom | Germany



BESS – EU

Hunterston BESS, United Kingdom

Client: GTDS, UK

- **EPC delivery of a 132 kV AIS substation**

Stadorf BESS, Germany

on-going

Client: Investor

- **EPC delivery of a 380 kV AIS substation**
- **400 MW / 1.6 GWh (4h) BESS**

Windyhill BESS, United Kingdom

Client: GTDS, UK

- **EPC delivery of a 132 kV AIS substation**



POWER GRID & SUBSTATION PROJECTS

High-Ultra High Voltage Substations and Electrical Transmission Systems

United Kingdom | Germany



HV & UHV SUBSTATIONS – UK

Barlockhart Substation **33 kV / 132 kV**

Client: Freedom Agrilek, UK

- Integrates renewable energy into the local grid
- Supports regional distribution networks

Beddington AIS Substation **275 kV / 132 kV**

Client: Siemens, UK

- Air-Insulated Substation (AIS)
- Supports urban electricity distribution
- High-density grid environment

Burton AIS Substation **132 kV**

Client: Siemens, UK

- Regional transmission asset
- Reliable AIS technology

Creyke Beck Substation **400 kV / 132 kV**

Client: Siemens, UK

- Major national grid connection
- High-voltage transmission hub
- Supports renewable energy integration



HV & UHV SUBSTATIONS – UK

Hunterston GIS/AIS Substation 400 kV

Client: SSEN Projects & GTDS, UK

- Hybrid GIS / AIS configuration
 - High-voltage transmission interface
 - Supports national grid operations
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Legacy Substation 400 kV

Client: NG Projects & GTDS, UK

- Grid modernization project
- Supports aging transmission infrastructure
- Enhances system reliability

Richborough GIS Substation 400 kV

Client: NG Projects & GTDS, UK

- State-of-the-art GIS installation
 - Designed for maximum reliability
 - High-demand supply area
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Salt End South Substation 275 kV

Client: Siemens, UK

- Reinforces regional grid capacity
- Supports system resilience



HV & UHV SUBSTATIONS – UK

Walpole GIS Substation **400 kV**

Client: NG Projects & GTDS, UK

- National transmission reinforcement
 - High-voltage GIS
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Tilbury / Thurrock AIS Substation **275 kV**

Client: NG Projects & GTDS, UK

- Strengthens southern UK grid
- AIS configuration

Sellindge GIS Substation **400 kV**

Client: NG Projects & GTDS, UK

- Expands national grid capacity
 - High-voltage GIS technology
 - Supports southern England
-

Stella West GIS Substation **400 kV**

Client Siemens, UK

- Advanced high-voltage GIS substation
- Enhances UK grid stability



HV & UHV SUBSTATIONS – UK

Wellisden Substation 275 kV / 66 kV

Client: NG Projects & GTDS, UK

- Interface between voltage levels
 - Improves regional grid efficiency
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Windyhill GIS/AIS Substation 400 kV

Client: SSEN Projects & GTDS, UK

- Hybrid high-voltage solution
- Maximizes network efficiency



HV & UHV SUBSTATIONS – EU

Stadorf Substation, Stadorf, Germany
380 kV - on going

Client: Investor

- Grid connection of a **400 MW BESS**
 - Enhancing grid stability and renewable energy integration
 - Transformer capacity: **2 × 240 MVA**
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Rilland Substation, Zeeland, Netherlands
380 kV

Client: Tennet TSO GmbH

- Part of the southwest Netherlands 380 kV grid reinforcement corridor

Amaliahaven Substation, Rotterdam, Netherlands
380 kV

Client: Tennet TSO GmbH

- Large new **380 kV** hub for grid reinforcement
 - Turnkey solution
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HV & UHV SUBSTATIONS – EU

Westaflex Substation, Gütersloh, Germany
20 kV / 110 kV

Client: Westaflex

- End-to-end solution
 - AIS configuration
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HV Substation, Teutendorf, Germany
31.5 kV / 110 kV - on going

Client: Private Investor

- Delivered as a full EPC solution for grid connection and voltage step-up of a PV park
- Dual station configuration: **2 × 63 / 80 MVA**

HV Substation, Kuhlrade, Germany 33 kV / 110 kV - on going

Client: Private Investor

- New onshore renewable energy substation
 - Grid connection hub for nearby wind and/or solar parks
 - Technical configuration: 2 x power transformers, **50/63 MVA** each
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HV Substation, Bad Driburg, Germany
33 kV / 110 kV - on going

Client: Private Investor

- New grid-connection substation for renewable energy integration
- Configuration: **2 × power transformers, 63/80 MVA** each



GAS POWER PLANT PROJECTS

End-to-end turnkey delivery of gas-fired power plants

United Kingdom | Germany | Netherlands | France



GAS POWER PLANTS

End Customer:	Stadtwerke Schwäbisch Hall
Application:	CHP
Location:	Schwäbisch Hall, Germany
No. and engine type:	1 x 12V35/44G TS
Plant output:	7,5 MW _{el} + >7 MW _{th}
Fuel:	Natural gas
PROMERGON's work scope:	Basic Equipment Supply

End Customer:	Volkswagen
Application:	Combined Heat & Power for industry and grid
Location:	Brunswick, Germany
No. and engine type:	1 x 20V35/44G
Plant output:	10 MW _{el} & 9 MW _{th}
Fuel:	Natural Gas
PROMERGON's work scope:	EPC



GAS POWER PLANTS

End Customer:	Wärme Versorgung Offenburg GmbH&Co.KG
Application:	Innovative CHP with heat pump
Location:	Offenburg, Germany
No. and engine type:	1 x 12V35/44G TS
Plant output:	7,5 MW _{el} + 7,0 MW _{th}
Fuel:	Natural Gas
Commercial operation:	Estimated 2025
PROMERGON's work scope:	Genset plus auxiliaries

End Customer:	EDF, Electricité de France
Application:	Base load power plant
Location:	Corsica, France
No. and engine type:	7 x 18V51/60DF
Plant output:	123 MW
Fuel:	Dual Fuel (Gas & HFO)
PROMERGON's work scope:	Extended Equipment Supply

