POWERSYSTEMS™
HIGH VOLTAGE SPECIALISTS

CASE STUDY 16035

Ray Wind Farm

Battery EBoP Works - Battery Storage 33kV

Electricity storage is a key technology in the transition to a smarter and more flexible energy system and will play an important role in helping to reduce emissions to net-zero by 2050.

GRID CONNECTION | 33kV Grid Route | BATTERY STORAGE | 16 TURBINES

VATTENFALL

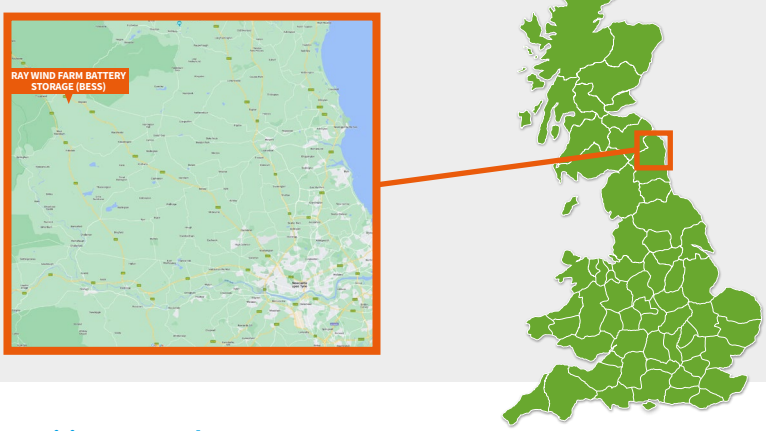
RJ McLEOD

Powersystems are actively powering the transition to a carbon free future

- In 2022 Powersystems return to the Ray Wind Farm site to design and construct the infrastructure to integrate a 20 MW / 40 MWh Fluence Battery System into the wind farm, which will add flexibility and provide ancillary services to the UK national grid.
- On behalf of the client Vattenfall and working with RJ McLeods, Powersystems will deliver the electrical balance of plant works. This will comprise of the main substation 33 kV switchgear extension, BESS switchgear container and 5 No. 5MVA Inverter transformers.
- Powersystems will also be working with the battery technology provider, Fluence who will provide 70 battery cubes.
- Battery storage systems have the potential to play a key role in integrating renewable energy into the power grid.

Powersystems awarded contract

- Powersystems expect that hybrid farms will play an increasing role in the energy landscape.
- We are excited to be part of the specialist infrastructure teams to install these multiple technologies further.
- Hybrid farms can be custom-designed, or retro fitted to existing assets to produce, store or use fossil-free energy in one location.
- As part of building the UK carbon free future, Powersystems proudly support the design, installation, and commissioning of climate restoration technologies with connectivity in all renewable sectors. Powersystems are powering the UK to a green recovery, with 6 GW of installed green energy as they play their part helping to decarbonise the National Grid.



33 kV

Powering the Transition to a Carbon Free Future