



CASE STUDY
16029

Bustleholme, Sandwell

Battery Storage 50MW/100MWh

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

2hrs
100,000 HOMES

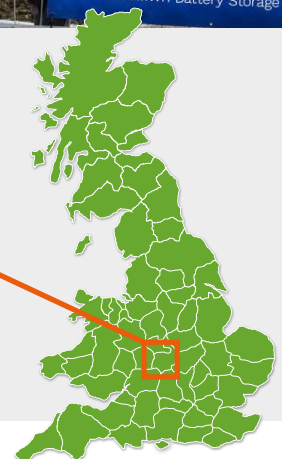
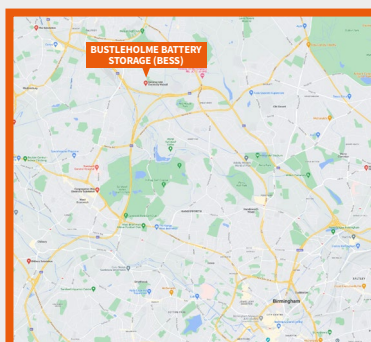


Powersystems are actively powering the transition to a carbon free future

- ▶ The grid-scale battery storage facility in Sandwell will connect to the transmission network at the National Grid's Bustleholme substation, the site will help to create a greener energy grid and accelerate the UK's drive to net zero.
- ▶ The 50 MW /100 MWh lithium-ion battery will store enough electricity to power over 100,000 homes for 2 hours. It will support the integration of more renewable energy and increase the resiliency of the electricity system by automatically charging and discharging to balance supply and demand and manage intermittency.
- ▶ The Sandwell site forms an integral part of Pivot Power's Energy Superhub network, designed to deliver up to 2 GW of transmission-connected battery storage and high-volume power connections across the UK.

Powersystems awarded contract

- ▶ Powersystems awarded the contract for the design, procurement, installation, testing, commissioning, energisation and hand over for the electrical infrastructure to enable the integration of the 49.9 MW BESS comprising of 10 transformers each with 2 inverters (total 19) connected to 76 battery cubes.
- ▶ Powersystems are the Principal Contractor for this prestigious project.



**33
kV**