

For Immediate Release



New win for Enspec - Twentysilling Hill Wind Farm

Enspec to provide shunt reactor and harmonic filter for ambitious wind farm project

16th February 2020, St Helens, UK - Power quality engineering specialist, Enspec Power Limited, today announced that it has been awarded the contract for a 33kV, 3.35MVar C-type harmonic filter and supply of a 33kV switched shunt reactor to Powersystems UK for the Twentysilling Hill wind farm.

Twentysilling Hill Wind Farm is a nine-turbine, 'subsidy-free' wind farm project located approximately 4.8km south of Sanquhar, a village on the River Nith in Dumfries and Galloway. Enspec is supplying the equipment to its valued partner, [Powersystems UK](#), which is acting as the main electrical contractor for the 37.8MW project.

The contract is for the design, manufacture, supply and commissioning of a 33kV, 3.35MVar C-type harmonic filter which will dampen and absorb the 7th, 8th and 10th harmonic orders, as well as reducing total harmonic distortion (THD). Enspec is also supplying a 33kV switched shunt reactor to offset the VARs (reactive power) of the filter and ensure the site remains compliant with grid reactive power requirements. The value of Specimen's contract cannot be disclosed at this time.

A Powersystems spokesman, said; "We've worked on several projects with Enspec. They always deliver well designed and engineered solutions and provide us with the support you'd expect from a true partner."

Tim Rastall, director, at Enspec Power Systems, said; "This is a great project to be a part of and a brilliant way to start 2021! We're establishing a reputation for wind farm connectivity solutions that is helping us form partnerships with some of the leading names in wind farm development. As wind continues to grow in its contribution to UK power supplies we are pleased to be playing our part in the UK's ambitions plans to become carbon neutral."

The system will be delivered and installed over the next month, with commissioning set to take place before the end of the year.

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Notes to Editors

About Powersystems UK

Powersystems is a specialist high voltage (HV) electrical engineering company established in 1977. Powersystems has grown by reputation of excellence to become a major force in the design and installation of high voltage infrastructure across the whole of the United Kingdom.

Powersystems has been assessed and accredited nationally by the [Lloyds Register Accredited Contractor NERS scheme](#) to carry out grid connection services through all voltage ranges up to 132,000 v (in competition nationally with Distribution Network Operators) as well as private High Voltage (HV) infrastructure projects across the UK.

Powersystems deliver design, project management, cable laying, cable jointing, and substation installation, as well as all associated civil engineering works including excavation, cable laying and backfilling.

Powersystems has installed many Megawatts of generation in the form of:

Standby generators, diesel rotary UPS, Combined Heat and Power (CHP) schemes, diesel and gas STOR and battery storage systems. These projects include the design and installation of projects providing:

- [Renewable energy](#)
- Waste to energy
- [Anaerobic digestion generation schemes](#)
- Solar Farm / photovoltaic schemes
- Hydro generation schemes
- Wind farms
- Landfill gas generation
- Bio fuel generation schemes
- Tidal generation schemes

The Powersystems team is based in Bristol and comprises engineers, jointers, electricians, mates, and head office staff, who together ensure the professional and safe execution of every job and work tirelessly to provide clients with the highest quality customer service throughout the life cycle of each project, and beyond.

You can find more about Powersystems UK: <https://www.powersystemsuk.co.uk/>

About Enspect Power Ltd

Enspect helps organisations to make money and to save money - professional engineers can do this! It offers specialist engineered products and services such as Power System Studies, Power Factor Correction, Harmonic Filters, Reactive Compensation, Point-on-Wave Switching and Site Services. The company helps all manner of heavy electricity users such as utilities and renewable, oil and gas, manufacturing and other industries.

Enspect has been making businesses more profitable since 1998 when its sibling founders, fed up with the bureaucracy of larger organisations, decided to go it alone and set up a friendly, flexible engineering company.

Two decades on, the Enspect team is still a friendly bunch and one of the UK's leading independent specialists in power quality engineering. The team really understands electrical power systems and is passionate about what it does and what's happening in the wider world of technology.

Enspect is a progressive member of The Institution of Engineering and Technology (IET) with links to academia - so if the team don't have the immediate answers, chances are they know someone that does.

You can find more about Enspect Power Limited at: <https://www.enspectpower.com/>

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