

VOLTAGE STABILISATION

Sollatek is a voltage and power control company with an essential role to play in implementing a clean, yet stable energy supply. It achieves this through its state of the art automatic voltage regulators (AVRs)



The company's AVRs have been deployed at some of the UK's most significant offshore wind power developments. These include the Greater Gabbard Offshore Wind Farm, Thanet Offshore Wind Farm and the Galloper Offshore Wind Farm.

EXPERIENCE

Its decades of experience in developing equipment that can tolerate extremely harsh conditions have stood Sollatek and its clients in good stead. "We regularly supply telecoms companies across the world with equipment that is capable of tolerating harsh environments. Here we encounter conditions such as high humidity, salt-laden atmosphere and acidic soil," commented Richard Brown, Technical Director at Sollatek.

He continued: "Our automatic voltage regulators feed the low voltage AC

supply across the windfarm site. It stabilises the voltage to power critical systems such as lighting, heating, SCADA, IT, security and air handling. Our solid-state devices are highly reliable, a factor which makes them attractive to investment sites. It is a critical requirement for them to stay online. To achieve this, we use the latest technologies, software and hardware. We offer a high-performance smart device that collects and logs data."

NEW CHALLENGES

As renewably sourced power continues to supplant fossil fuel-based electricity generation, new challenges will arise surrounding energy storage, integrating power to national grids and systems to cope with peak demand. The company is working with GE to supply stabilisers to the National Grid in the south of England where they are

developing a new method of operating substations. Its voltage regulator will provide stable power to this system.

Sollatek has carved its leading position by offering cost-effective and high-tech solutions. In a world where data collection forms an essential part of any system, its smart technologies and data storage capacity offer its clients the vital information they need to improve their efficiency and manage their systems effectively. The company will be accompanying offshore wind on its journey towards greater efficiency and larger-scale clean energy solutions

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