



PROJECT / CUSTOMER



PRODUCT
AVR3E1200

HISTORY
November 2018

“Siemens selected Sollatek; a tested partner with ample experience in bespoke design.”

STABILISING SCOTLAND'S LARGEST OFF SHORE WIND FARM

When fully commissioned and at a cost of over £2.6 billion, Beatrice will be Scotland's largest offshore wind farm. With a total capacity of 588MW, the site will produce enough power for more than 450,000 homes and Sollatek has once again, been selected as the preferred supplier for the onshore sub-station LVAC stabilisers.

Unique to this multinational collaboration was the enhanced design of the automatic voltage regulator and for this reason, Siemens selected Sollatek; a tested partner with ample experience in bespoke design for such critical equipment.

Located more than 13km from the mainland, the Beatrice wind turbines deliver power to the onshore sub-station where it's regulated and 'cleaned' for export to the electricity grid network. While this electricity is being 'cleaned', the Sollatek AVR ensures a regulated supply is provided for site control and maintenance equipment for the onshore sub-station.

The variation of switching activities that would be performed at the site could cause the auxiliary supply to vary beyond the standard workable limits. With more than 35 years' experience in voltage regulation, Sollatek designed and manufactured a 828kVA regulator with an input tolerance of -34% to +19% (151V - 274V) of the nominal, making this one of the largest ranges for any solid state, thyristor based regulators.

With its unique extended input range and ultrafast correction time, the Beatrice solution is the latest provided by Sollatek to strengthen the grid network.

The Beatrice project joins the list of our successfully deployed solutions for the windfarm industry and grid reinforcement across the country. These include Greater Gabbard, Dudgeon, Gwynt y Mor, Lincs, Galloper, London Array, Thanet, Melgarve, NEMO Link, Loch Buide, Fyrish and Tomatin.



For more information contact us now

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Introducing our new logo...



...which replaces our current logo



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