



Galloper Wind Farm SVC

TRANSMISSION & DISTRIBUTION PROJECT

Galloper Wind Farm project is an offshore wind farm located 27km off the Suffolk Coast (UK) in 27-36 meters water depth.

It has one offshore substation and one onshore substation located at Sizewell beach. Two buried subsea export cables of approximately 45Km each will bring the power generated from the offshore wind farm to the onshore substation that will connect to the National Grid.

The project will be fully operational in march 2018. It will become one of the larger offshore windfarms in British waters generating enough power for up to 380,700 homes with 56 wind turbines generating up to 353MW.

Technical characteristics :

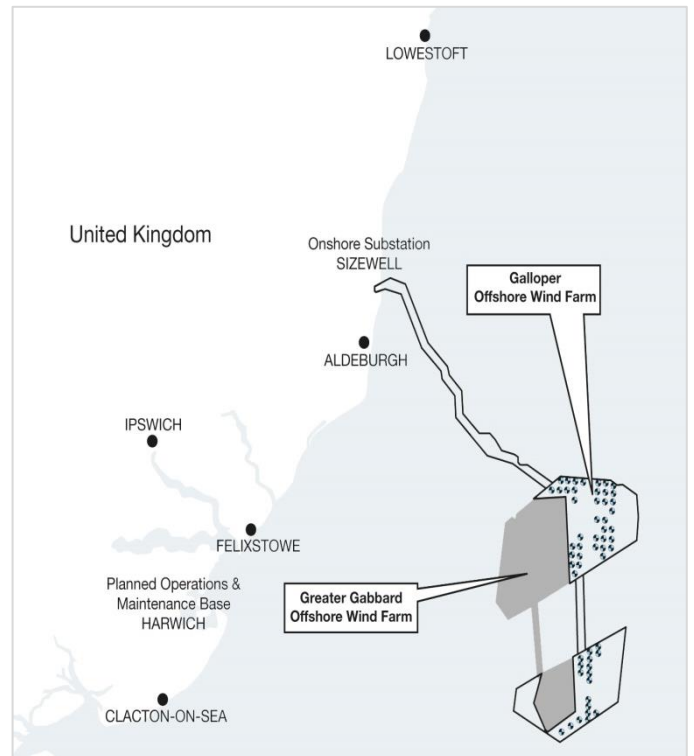
SDCEM provided disconnector switches, earthing switches and control & monitoring solutions to GE GRID SOLUTIONS for the onshore SVC project in 2016.

SDCEM equipment is specially designed to suit the environmental constraints such as seaside's extremely salty and corrosive environment.

SDCEM scope of supply :

Disconnectors

- 16 Outdoor 3-Poles Vertical Break Disconnectors SBE
- 2 Outdoor 3-Poles Grounding Switches ST90



Operating Mechanisms

18 Universal Smart Drives MR41E

Control & Monitoring

18 S-TORQUE - Prevention of mechanical failures / defaults

Key data

Location	United Kingdom
Industry	Transmission & Distribution
Delivery date	2016
Rated voltage	36 kV
Owner	INNOGY (RWE Renewable)
EPC	GE GRID SOLUTIONS
Commissioning date	03/2018

