



CASE STUDY

GWYNT-Y-MÔR - Cathodic Protection

SCOPE

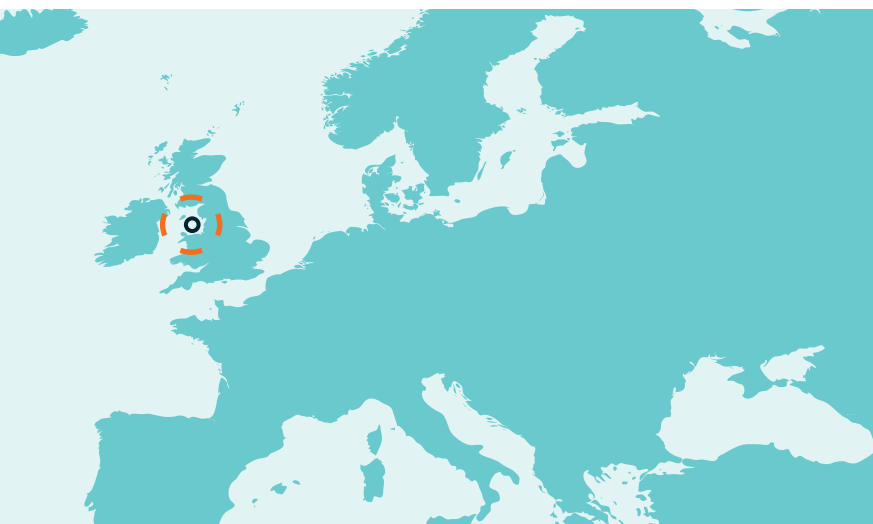
At Gwynt-Y-Môr (GyM) offshore wind farm a number of the cable entry sealing systems have been leaking, resulting in fluctuating water levels inside the monopoles, which has compromised the internal corrosion protection systems. A retrofit internal cathodic protection system is required to address these problems, and a contractor is required to supply and install Impressed Current Cathodic Protection (ICCP) systems in the three assets where the problems described are in evidence. More specifically, CWind in partnership and in liaison with the client (GyM), and along with the ICCP designer (already appointed), are undertaking a detailed design of the ICCP system hardware and software, and the ventilation system. GyM have taken responsibility for the ICCP design, with CWind responsible for the construction of the programme, along with the supply, installation and monitoring of ICCP systems at GyM.

FLEXIBILITY

With CWind's ability to bring extensive resource to the project, we were able to supply all equipment, hardware and software, to undertake the works required offshore to install the ICCP systems on the three assets. CWind are responsible for installation to abide by quality and safety standards, and to provide any hosting, pre-processing or hardware to enable system control, and the provision of all real time data for 12 months of operation.

PRO-ACTIVE MANAGEMENT

CWind are working closely with RWE to ensure all scheduling and pre-planning works are completed prior to installation. This has limited downtime, whilst combining the planning with pre-install asset inspections, to ensure all pre-installation works are complete before team deployments.



Project	Gwynt-Y-Môr
Assets	3 WTG's
Project Owner	RWE
Client	RWE
Project Date	2016