



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 three assets where the problems described are in evidence. More specifically CWind in partnership and liaison with the client (GyM) and ICCP designer (already appointed) are undertaking 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, supply, installation and monitoring of ICCP systems at GyM.

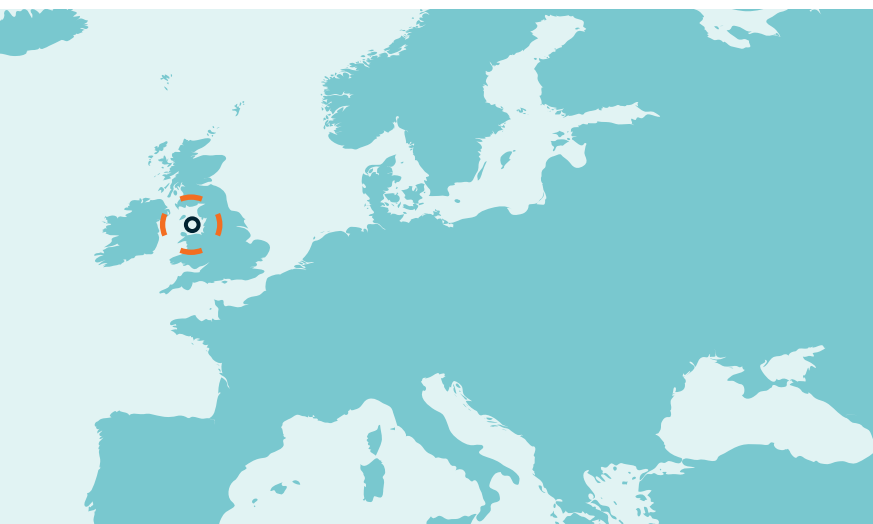
PROJECT DELIVERY

FLEXIBILITY

With CWind's ability to bring extensive resource to the project, we were able to supply all equipment, hardware and software. Undertake the works required offshore to install the ICCP systems on the three assets. CWind are responsible for installation to required quality and safety standards Provide any hosting, pre-processing or hardware to enable system control & 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 and 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

GM039 v1