

Natural Power Onshore Wind Case Study - Operational Services



Project:	North England, portfolio of 5 Onshore Wind Farms – circa 60MW total capacity
Client:	Confidential
Project Description:	Operational Services
Services Provided:	Operational Phase Local site management HV Management 24/7/365 Control Room Services Monthly Operational Technical Reporting
Added Value:	During the operation of the existing portfolio of wind farms, it was identified that many of the sites were suffering from communication issues which were preventing surveillance of the sites through the turbine SCADA systems. The communication issues were invariably caused by the broadband routers at site hanging up. To reset the routers, a member of the asset management team would have to drive to site to cycle the power to the router and establish communications back to site. If the communications had been offline for a long period, turbines may have faulted, but as the communications to site were down, no-one was aware and this was leading to prolonged downtime. To resolve the problem, the Natural Power Asset Management team installed equipment which allowed the power to the routers to be cycled remotely, by simply making a phone call to the device. As soon as a communications issue is now identified, it can be quickly rectified any time of day or night without having to travel to site, resulting in more continuous surveillance of the sites and O&M cost efficiencies.

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