OVENDEN WIND FARM, HALIFAX

Client:
Yorkshire Windpower Ltd

Summary:
Decommissioning and dismantling of 22No WD34-400kW turbines and replacement with 9 No Gamesa G80 2.0MW turbines

PROJECT DETAILS

The works entailed the decommissioning and dismantling of 22No WD34-400kW turbines including their associated electrical components, and their replacement with 9 No Gamesa G80 2.0MW turbines with hub heights of 67m.

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The works included the turbine foundation construction each comprising of 40tnes of re-bar and 350m3 concrete, the up-grading of over 2500m of existing road infrastructure and the installation as “floating roads” of 1500m of new road, the formation of 9 No crane hardstandings at 1250m2, all electrical infrastructure and a 1600m2 sub-station and control room.

The works were undertaken on a peat bog area where environmental and ecological issues were at the forefront, and included the removal of over 5000m3 of peat from beneath the turbine foundations and its replacement with engineered fill.