

## Natural Power Harburnhead Wind Farm - Case Study



**Project:**

Harburnhead Wind Farm, West Calder, Scotland

**Client:**

ENEL Viento/FIM

**Project Description:**

Construction management of onshore wind farm site featuring 22 Enercon E82 machines with an installed export capacity of 51.7 MW. The site had some challenging ground conditions with a combination of deep peat and disused mines.

**Services Provided:**

Comprehensive construction management services consisted of:

- Pre-construction planning condition support and discharge
- (Balance of Plant) BoP and turbine tender support
- Grid connection coordination
- Full time site representation
- Owner's engineer under the BoP contract
- Employer's representative under the turbine contract
- Ecology clerk of works
- Project management services
- Claim and variation management
- Coordination to operations



## Added value:

Harburnhead was a challenging project on a number of aspects:

- Time constrained: - as one of the last wind farm projects to qualify for the Renewable Obligation Certificate, the project team performed under restricted deadlines to achieve financial close and contract signature. The BoP and turbine manufacturer had extremely challenging deadlines to build the project 6 months ahead of the ROC deadline. This presented additional strains on coordination of various disciplines to which Natural Power played a vital part in resolving interface issues
- Ground conditions: - the combination of deep peat and disused mines presented challenging design and construction issues. Natural Power played a key role managing the Request For Information (RFI) process to ensure technical queries were answered in a timely manner
- Variation and claims: - Natural Power successfully reduced the value of a number of variations and claims submitted by the BoP contractor. The total value of variations were reduced by 66% and claim values reduced by 47%. The combined savings off-set the Natural Power construction management contract value



For more information contact:

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