

ABI Equipment Limited

Piling Equipment Specialists

Sales - Hire - Parts and Service - Project Support



ABI Equipment Limited was chosen to supply specialist piling equipment by contractor Keller Foundations Limited for the piling work on the Carscreugh Wind Farm project in Dumfries and Galloway.

The piling works were carried out from September to November 2013 using two Delmag RH28 drilling rigs.

The contract required the construction of nine wind turbine bases in a remote location, each consisting of 16 No 880 mm diameter piles drilled to bedrock with depths varying from 6-15 metres.

The ground conditions were a major challenge for this project with heavy boulder clay and the presence of large, very hard granite boulders, combined with a high water table. Drilling through this variable material required frequent tooling changes and considerable variation in casing depths.

Carscreugh Wind Farm Project

Dumfries and Galloway

Client: Gamesa

Piling Sub contractor: Keller Foundations Limited

Piling Equipment supplier: ABI Equipment Limited



ABI Equipment Limited

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“We selected the Delmag RH28 drilling rigs from ABI Equipment because the rigs offered us the right combination of size, weight, crowd force, torque and rigity”, says Andrew Davison, Keller Foundation’s General Manager of Piling. “Soil conditions on site had been particularly challenging for our CFA equipment and we knew we would need to bring in heavy duty machines to deal with the more difficult areas. ABI were able to provide us with two first class Delmag RH28 drilling rigs that simply turned up and did everything that was asked of them”.

Davison goes on to say that “even when dealing with the exceptionally hard boulders, the Delmag rigs remained very stable in operation, enabling us to drill accurately and efficiently from start to finish.

Overall, we were impressed with the performance of the equipment and very satisfied with the service and service provided by ABI Equipment”.

ABI Equipment Ltd continues to invest in its fleet of UK drilling rigs and is currently able to offer two Delmag RH28’s and one Delmag RH34, with additional rigs available from ABI Group in Niedenberg, Germany as required.



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