

Dunmaglass Wind Farm

Driving of steel tube piles for remote wind farm in Scotland.



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Aarsleff Ground Engineering were awarded the piling contract for one of the UK mainland's highest onshore wind farms for contractors R J Mcleod Ltd. Because of its geographical position, Dunmaglass (based in Scotland) is ideally located to benefit from the strong winds in the area, but posed a challenge in terms of construction due to the potential for adverse weather conditions.

Specifically, Aarsleff installed 140 No. steel tube piles for 4 wind turbines which were situated approximately 25km south of Inverness, Scotland. Aarsleff utilised its Junttan PM20-HLC fitted with a 7T accelerated hammer to drive the piles.

The works commenced at the end of November 2014, however due to heavy snowfall the project was stalled for 3 weeks. Aarsleff returned in April 2015 to complete the works once the snow had thawed. Working on one of the UK mainland's highest onshore wind farms proved to be challenging.

The turbines sites were extremely remote from the main compound (approximately 15km away) and with an average altitude of 700m above sea level, on the edge of the Cairngorm mountain range in Scotland. The Junttan rig got snowed up to its cab!

Throughout the project, Aarsleff worked closely with the client to ensure that the works were done safely, and everyone got off the hill before the weather became too extreme, on a daily basis. Work took 5 weeks, on programme (not allowing for inclement weather).



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Scope of Works

140 No. Steel Tube Piles

Contractor

R J Mcleod Ltd

Equipment

Junttan PM20-HLC

Construction period

November 2014 - April 2015

Aarsleff Ground Engineering Ltd, is the UK trading arm of Danish contracting giant Per Aarsleff A/S, and is one of the UK's leading piling and geotechnical design and installation specialist contractors; actively promoting early consultation to ensure each scheme can be Value Engineered to give clients the best service, quality design, safety and value. Aarsleff's strategy and philosophy of investment into the future has resulted in its wholly owned subsidiary Centrum Pile Ltd having the most advanced precast pile production facilities in the UK, producing segmentally jointed precast concrete piles to BS En12794 to Class 1A.

Contact

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