

Bio-Mass Plant, Hull

Driving precast concrete piles for a new Bio-Mass Plant.



AARSLEFF

Aarsleff Ground Engineering were awarded the piling works from main contractor Galliford Try PLC. The project will form part of a new Bio-Mass energy facility located on land leased from Associated British Ports (ABP) in the vicinity of King George Dock, Hull. The Bio-Mass Plant is part of an Advanced Thermal Treatment plan designed to process wood chip and biomass waste.

Specifically, Aarsleff designed and installed 667no 300/350sq precast concrete piles supplied in two segments interlocked with a full mechanical pile joint.

The piles were founded within dense sands/gravels at 25 to 28metre below piling platform level. Aarsleff carried out 3 preliminary static load tests which were undertaken during the initial weeks, followed by dynamic load testing during numerous visits to site. Driven piles were installed within 18m of an existing brick culvert with vibration monitoring undertaken to ensure the levels of vibration did not exceed the limits of vibration imposed by Yorkshire Water.

Aarsleff were on site for 10 weeks with its Junttan PM20 and Banut 11 Driven Piling Rig. Project commenced in June 2016.

Scope of Works

667 No. 300/350sq Precast Concrete Piles

Equipment

Junttan PM20
Banut 11

Contractor

Galliford Try PLC

Construction period

June 2016

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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