

Blackhorse Road, Deptford

Driving of sheet piles and precast concrete piles for a self-storage facility



AARSLEFF

Aarsleff Ground Engineering, one of the UK's leading contractors of driven precast piles and geotechnical solutions, has completed work for a sheet piling project – an installation for a self-storage facility, at Blackhorse Road, Deptford.

The project saw Aarsleff install 285 linear metres for a piled basement wall using ArcelorMittal AZ18-800 pile sections, the new type of wider pile section that reduces overall costs, programme times and facilitates an ultra-efficient and quicker installation. In addition, Aarsleff installed a number of 250-mm square precast driven bearing piles for the main superstructure, with pile lengths of between 9m and 18m using the Company's innovative mechanical joint.

The multidiscipline scheme for the piled basement, was awarded direct by Shurgard, and then project managed by RG Group. Work started early-January 2017 and took 7 weeks to complete. Aarsleff's schedule of works included 4-5 weeks sheet piling and 2-3 weeks for pre-cast. The precast concrete pile sections were designed to the new design standard BS EN 1997-1:2004 and UK National Annex (2007).

Speaking about the sheet piling installation Kevin Hague, General Manager, Aarsleff Ground Engineering, said: "This is a landmark project for Aarsleff as it is Aarsleff's first use of the new AZ18-800 pile section, which due to its greater width requires fewer sections, for a faster and more efficient installation and uses less embedded carbon."

Scope of Works

285 linear metres using Arcelor Mittal AZ18-800 pile sections
250mm Precast Driven Bearing Piles between 9m and 18m

Client

Shurgard

Contractor

RG Group

Construction period

January 2017

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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