

Stadium Leisure Complex, York

Driving of precast piles for new stadium leisure complex.



AARSLEFF

On behalf of main client, Greenwich Leisure Ltd & Wrenbridge York Sport Ltd, Buckingham Group Contracting Ltd awarded Aarsleff Ground Engineering the piling works for the New Stadium Leisure Complex in York.

The new Stadium Leisure Complex Project will combine sport, health and educational facilities and once completed, will include an 8,000 all seater stadium to be shared by York City Football Club and York City Knights Rugby League Club, swimming facilities, cinema, gym, dance studio and a sports hall with spectator seating. The scheme will also house a wide range of community facilities, catering and hospitality venues and family leisure activities.

The initial enquiry was specified as a CFA pile design, however Aarsleff sought early engagement with Buckingham's to detail the benefits of a driven precast alternative. Aarsleff collaborated with Arup in front of order receipt, to propose the most efficient solution for the project. Owing to the offsite benefits of precast piling in relation to low carbon footprint, factory quality piles and no spoil away during installation, Aarsleff's Foundations Estimator Euan Allison comments: "Quite simply, we are putting less material in the ground, to achieve the same end".

Specifically, Aarsleff installed 925 No precast concrete piles up to 250mm diameter and pile lengths varying from 9 to 14m. Piles were driven with 3 of Aarsleff's own Junttan Rigs, including the PMx22. Aarsleff's work will provide the foundations for the Retail, Leisure and East Stand buildings.

Scope of Works

925 No. Precast Concrete Piles

Contractor

Buckingham Group Contracting Ltd

Client

Greenwich Leisure Ltd & Wrenbridge York Sport Ltd

Construction period

12th January - 23rd February 2018

Contact

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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.

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