

Mosque, Bradford

Driving of precast concrete piles for new Community Centre in Bradford



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The Al-Jamia Suffa-Tul-Islam Grand Mosque in Bradford is a flagship Masjid and educational institute in the English city of Bradford, West Yorkshire. The mosque is also home to one of the largest chandeliers, falling with a length of 16m from the dome. Phase one of the construction programme for the New Community Centre Project has begun. Once complete, amongst other objectives, the centre will become the new home of STI School furthering the aim and commitment to provide lifelong learning and tarbiyah to everyone that walks through its door. The new extension, similar to the mosque itself, is funded purely by public donations. Aarsleff Ground Engineering were called upon to install 120No. 750kN driven precast concrete

piles. Utilising their Junttan PMx22, the piles were 9m in length and 300mm square. Interestingly, Aarsleff Ground Engineering also piled the Mosque's original foundations back in 1998. Over a 5-day period, Aarsleff demonstrated their ability to pile close to an existing building with the first pile driven in the footprint of the existing mosque steps. There were also a handful of piles that were within a metre of the mosque. Aarsleff Ground Engineering respected the clients wishes and worked on a programme that would allow prayers to continue as normal on the afternoon at 1pm. Aarsleff drove their last pile in at 10am, leaving plenty of time for the 2000 individuals to enter the mosque for prayer time.

Scope of Works

129 No Precast Concrete Piles

Engineer

Archi-Structure

Client

Grand Mosque, Bradford

Construction period

14th Jan - 18th Jan 2019

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.