



# SAXTON GARDENS

Sept 2018

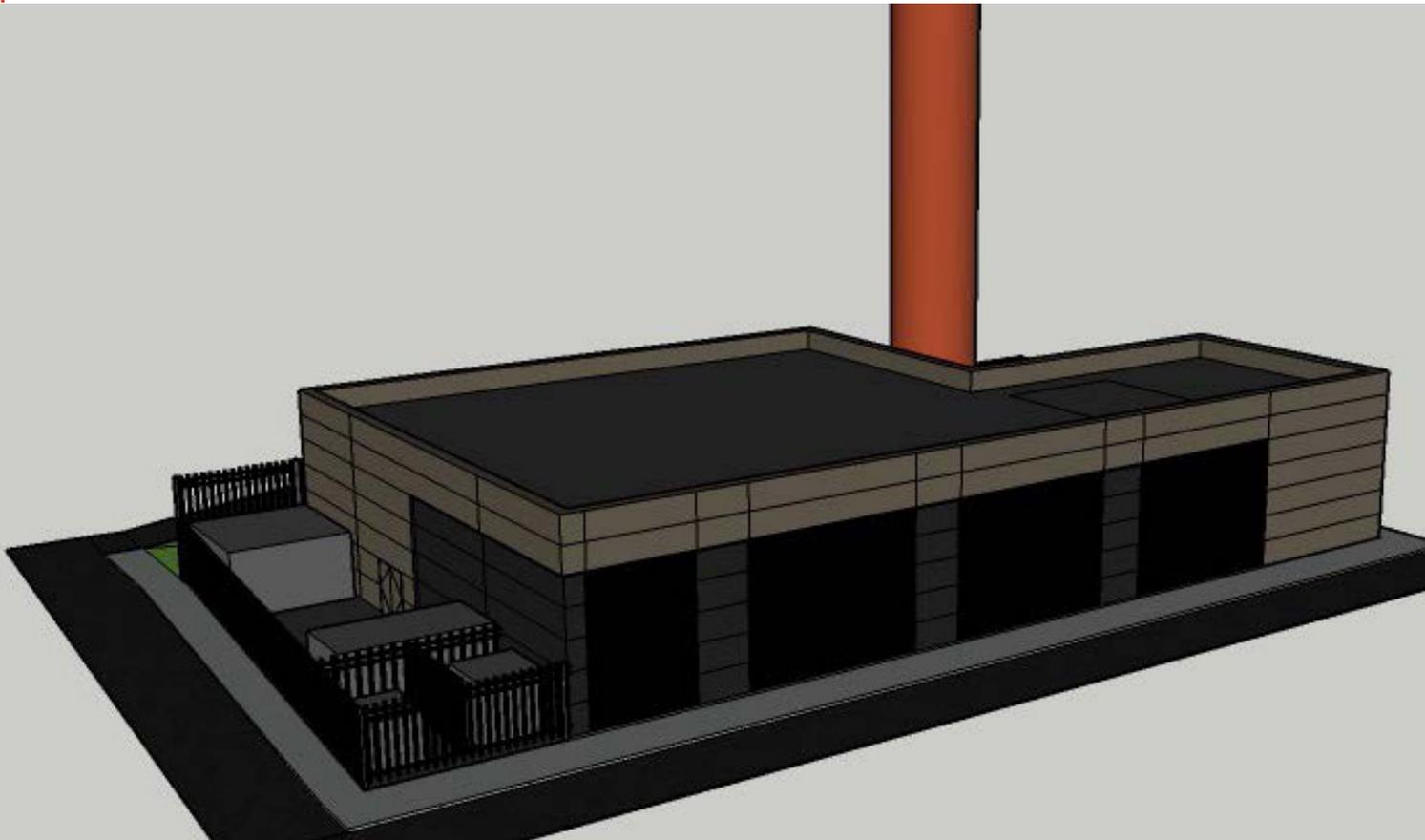
[www.aarsleff.co.uk](http://www.aarsleff.co.uk)

**SCOPE OF WORKS** 44 No. Steel Tube Piles, 16 No. Mini Bored Piles,  
45 Lin/M King Post Wall, 60 No. Holes & Filled with Grout

**EQUIPMENT** JS130 Drill Rig, Banut 300, Soil Tek S80 CFA rig, 25T Telescopic Crawler Crane

**CONTRACTOR** Vital Energi

**CONSTRUCTION PERIOD** 16th July - 7th September 2018



# STEEL TUBE, MINI BORED PILING, KING POST WALL & DRILLING AND GROUTING WORKS.

**Aarsleff Ground Engineering completed the multidisciplinary foundations package at Saxton Gardens, on behalf of main client Leeds City Council for Vital Energi.**

The foundation works formed part of a wide-scale scheme to create the Leeds PIPES district heating network for the city that would see the heat created by the council's Recycling and Energy Recovery Facility (RERF) in East Leeds being used to provide hot water and heating for households and businesses through a network of underground pipes.

Vital ([www.vitalenergi.co.uk](http://www.vitalenergi.co.uk)) were awarded the design and build contract, and subsequently awarded Aarsleff Ground Engineering the driven steel tube piling, mini bored piling, king post wall and drilling and grouting works required for the network's backup equipment at Saxton Gardens.

Specifically, Aarsleff installed 44No. driven steel tube piles, 16 No. mini bored piles installed inside a 4.5m Height restriction, 45lin/m of King Post Wall to a retained height of 1.5m, and drilled 60No holes to 18m past the existing coal seam & filled with grout.

Overseeing the project, Aarsleff's Chris Purvis said

"We utilised our JS130 rig to drill 72No. vertical and inclined holes. Due to many areas of the site being close to the foundations of existing building walls and underground services, it was necessary to work with extreme caution and assess all risks prior to drilling. Having assessed detailed site plans, made suitable and sufficient assessment of the risks posed by those hazards and co-operated with principle contractor Vital Energi, we made sure any rules or agreed methods of working were strictly adhered to."

Heralded as the next sustainable model for urban development, the scheme is expected to be completed by 2020.

Should the scheme prove successful it could be expanded to other areas of the city.

Aarsleff's Managing Director  
Kevin Hague said:

“Aarsleff Ground Engineering are delighted to have been a part of such a significant scheme that could provide low-cost and environmentally friendly heating and hot water to 1,983 homes in Leeds, saving over 22,000 tonnes of carbon emissions. Responsibility is one of Aarsleff's core values, and this project really adds to our green credentials, plus it's given us another platform to showcase our unique multidisciplinary offering for clients seeking a one stop shop solution”.



Aarsleff Ground Engineering Ltd is the UK trading arm of Danish contracting giant, Per Aarsleff A/S. Incorporated in the UK in 1991, Aarsleff Ground Engineering is one of the UK's leading ground engineering specialist contractors, with piling, geotechnical, and retaining walls divisions. An in-house design team means Aarsleff can offer you a full package of design and installation and we actively promote early consultation for value-engineering to give our clients the best service, design quality, safety factor, and value.

Designed. Delivered. Trusted.

Your ground engineering partner.

**Aarsleff Ground Engineering**  
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