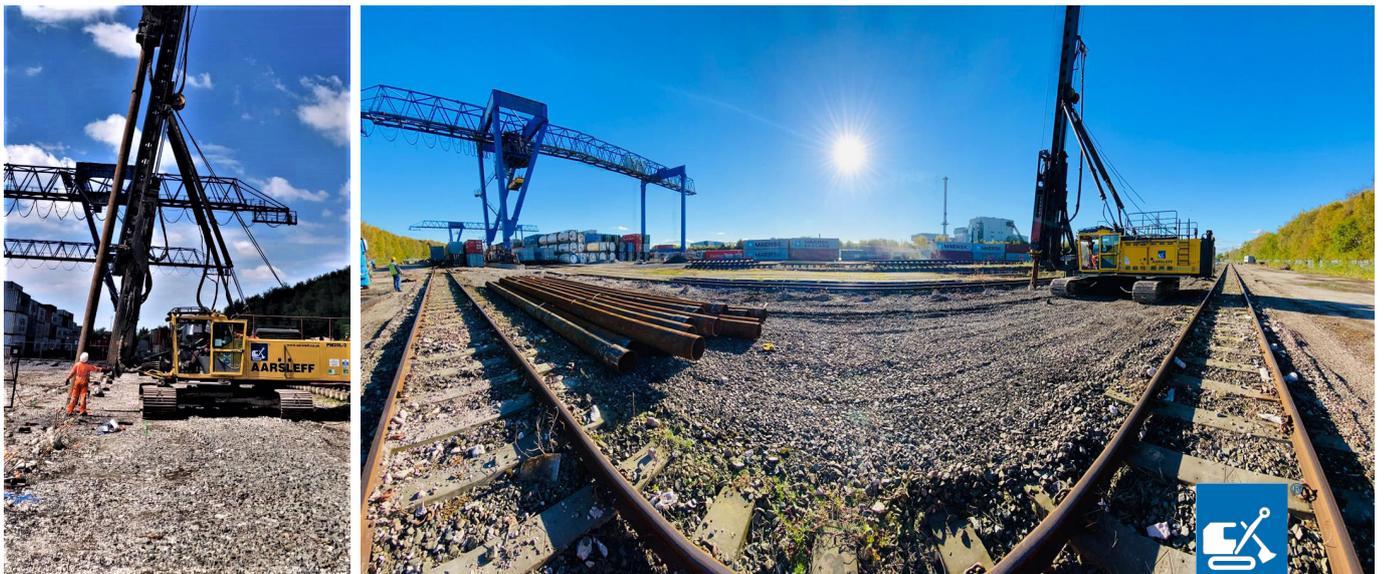


Widnes

Specialist Steel Tube Piling Project To Revive Existing Crane Rail Foundations



AARSLEFF

Our Piling Team Have Completed Phase 1 of a restoration project using raked steel tubes

Split over two phases, TPS Civil Engineering sub-contracted Aarsleff Ground Engineering to help restore the foundations of an existing crane rail at a Port in Stobart, Widnes.

Our specialist piling team worked with our in-house design department to provide a solution that overcame previous failures, caused by overloading of the existing crane. Aarsleff installed 339No. diameter steel tubular piles using a Junttan piling rig, of which 1 in 8 piles are raked. This method accounted for the higher horizontal loads whilst offering a cost-saving solution.

Parth Patel, Major Project Manager commented "Using a raked piles method is relatively simple to do and it can improve technical performance of the piles when looking at lateral loads in particular"

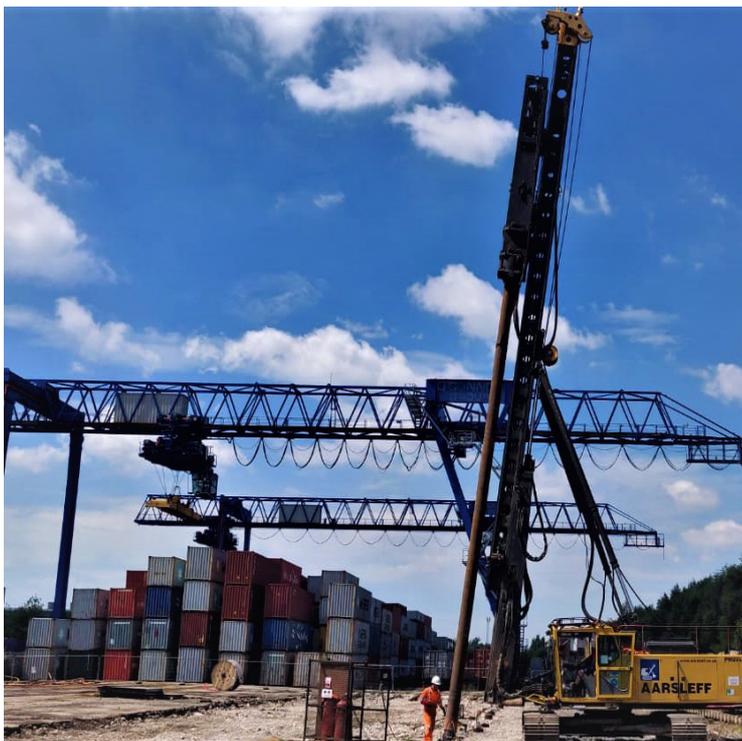
Steel tubular piles can often be used as a replacement for driven precast piles when difficult or uncertain ground conditions are likely to be encountered. In this situation, steel tubular piles were used because of existing piles in place and offered a robust solution due to existing obstructions within the current foundations.

Aarsleff's team worked closely with the engineer on site to position piles appropriately, to avoid the existing piles.

Parth mentioned "This was a challenging sequence to conduct because of restricted access. The rig was unable to track around and position itself, so we had to work in parallel to the existing rail at all times."

Whitfield and Brown Developments are delighted with the completion of phase 1 and Aarsleff will return to complete Phase 2 at the end of October.

Discover the application of driven steel tubular piles on our website www.aarsleff.co.uk or if you have a project that would benefit from our driven piling solutions, speak directly to an expert on 01636 611140.



Data:

Scope of works:

- 339No. diameter steel tubular piles
- Junttan Piling Rig

Client

TPS Civil Engineering

Type of contract

Subcontract

Aarsleff Ground Engineering is one of Europe's leading piling contractors, and we undertake a wide variety of piling, drilling and foundation projects in the UK and abroad. We have offices in Denmark, Poland, Sweden, Germany and Norway.

Our fleet covers hydraulic piling and drilling rig as well as cranes and vibrators.

Contact

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