

# Walpole Substation - CFA

## Aarsleff's commitment to operational excellence creates value for our client in the East

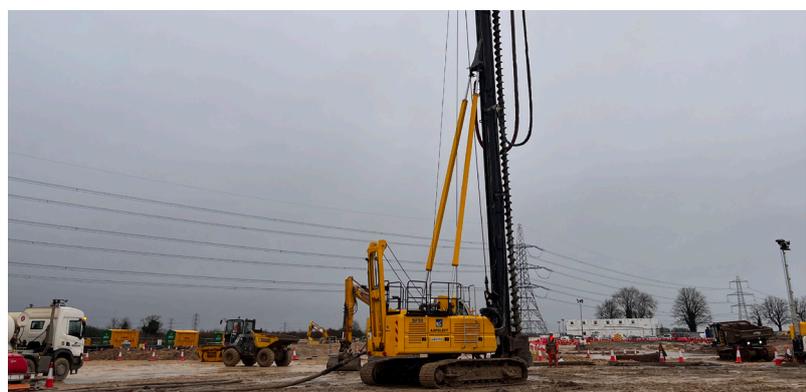
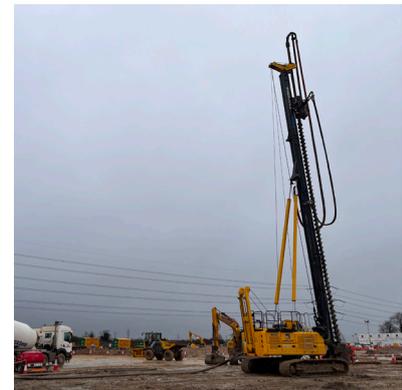
As we continue into a more technologically dependant world, the demands on the National Grid are growing. As substations across the country are upgraded, piling is needed to ensure these structures are founded with a safe and robust geotechnical solution. Across 6 weeks across the new year period, Aarsleff installed a total of 404 CFA bearing piles for a National Grid substation expansion project in Walpole, Cambridgeshire.

Working for Keltbray, Aarsleff designed and delivered a comprehensive scheme of both 500mm diameter CFA bearing piles and 350mm diameter CFA bearing piles. A large tension load requirement on the 500mm diameter piles meant that these piles were design and installed with a full depth 32mm GEWI bar into each of the 80 piles.

Following some early difficulties on site, Aarsleff were quick to engage with the client and within our own onsite team in order to assess the issues. This has meant that despite further challenges during the project, the works were delivered at tender programme. The onsite team worked hard to mitigate the issues that arose, by doubling tender production some days on site. In addition, we were able to offer

the client flexibility when adverse weather caused flooding issues, delaying the start of the works.

Speaking on the scheme, Project Manager, Sam Stirrup, said, "The scheme at Walpole has been a great example of how Aarsleff's communication and high standards of operational excellence can ensure a complicated contract can be delivered successfully. Whilst the job has not been without its issues, maintaining quick and effective communication with our client, as well as hard work put in by the operatives onsite, has meant we have been able to deliver a solution on time to our usual high standards."



## Data

80no 500mm bearing piles  
324no 350mm bearing piles

## Client

Keltbray

## Type of contract

Design and build contract

## Construction period

Dec 2023 - Jan 2024



## Contact

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