

Bridgwater, Costa

Aarsleff creates value in small scale commercial piling through efficiency and a focus on operational excellence

The South West is a busy area of work for Aarsleff Ground Engineering. With increasing investment in commercial infrastructure in and around Avonmouth and the Severn estuary in general, Aarsleff's quick, efficient, and value-added approach to driven precast concrete piling has been in high demand to found the large warehouses and commercial sheds.

However, large projects are not the only place Aarsleff's focus on operational excellence creates value. Down the river from Avonmouth is the growing commercial hub at Bridgwater, where SCF Petrol Forecourts Ltd are developing a new service station area and they contacted Aarsleff to enquire about driven precast concrete piling to form the foundations for a new Costa Coffee.

In total, they needed 31 piles which Aarsleff installed over 3 working days. All 250mmsq at 17 metres, but 12 of the piles had specific design requirements to ensure sufficient skin friction. They needed to reach a specific depth, which would enable the piles to function effectively under the designed tensile load. This was further reinforced by the use of type 6 reinforcement for these 12 piles, to ensure design parameters were met and performance was guaranteed.

One of the main benefits of Aarsleff's approach to driven precast concrete piling is our execution speed. Combined with our team's speed at assessing and adjusting to actual on-site conditions, this allowed us to achieve exceptional work quality whilst meeting project goals in regards to programme and cost. This means that follow on works could occur in line with client expectations.

Contracts Engineer, Abdel Bihi, commented, "The team's work on-site was great. They swiftly tackled issues and found a safe and practical solution, allowing them to keep working and meet their targets."

The project is a fantastic example of the benefits of driven precast concrete piling for small scale projects and how value can be created at every stage, no matter contract size or value. By focusing in on operational excellence at every stage of our operations, Aarsleff is able to optimise on effectiveness and efficiency to ensure a value-added solution for our client.



Data

31 250sqmm driven precast concrete piles

Client

SCF Petrol Forecourts

Type of contract

Design and build contract

Construction period

October 2023

Contact

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