



**AARSLEFF**

SMART  
SUSTAINABLE  
SOLUTIONS



“we care about the environment in all its forms and recognise that preservation of the environment should be an integral and fundamental part of our operations, whether its installing sheets, driving piles or stabilising slopes”

## GET IN TOUCH

We welcome feedback on all aspects of our business from our clients, people and supply chain. Please address your comments to [info@aarsleff.co.uk](mailto:info@aarsleff.co.uk)

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AARSLEFF  
GROUND  
ENGINEERING



**CENTRUM**

## MANUFACTURING

In our sister manufacturing facility Centrum Pile, the Harvester collects all the rainwater from the curing chamber roof that can hold up to 75,000 litres of rainwater. All the fresh water used daily to wash out the mixers is recycled. One typical day can see it use 13,000 litres of recyclable water. All the rainwater off the concrete floor area runs into the waste pits around the Batching Plant and will be used as recyclable water going into our mix. In the manufacturing process, all the waste concrete blocks go for crushing to be used as hard-core. Categorised as a Modern Method of Construction, the offsite manufacture of our products provide several benefits with respect to Quality Assurance, reduced energy and carbon consumption, durability and low waste.

## ON-SITE

We continuously monitor and adapt working practises and equipment to improve the environmental impact of noise and vibration. For that reason we can often work in sensitive locations. The piling hammer can be shrouded to reduce sound emissions at source and where adjacent structures are sensitive to vibration, the hammer fall height can be finely controlled to minimise the effects of pile driving. Sustainability benefits are particularly notable on brownfield sites. Being precast, our products keep the surrounding ground intact so there is no need to transport contaminated excavated material away which in turn minimises disruption to the local neighbourhood. The operation itself is a clean process - both environmentally since there are no vehicle emissions associated with disposing soil, and logistically too because wet concrete is not being handled.

## PARTNERSHIPS

By remaining at the forefront of innovation, we can continue to offer the most cutting-edge, smart and sustainable solutions for our customer's challenges across the UK. From our own research with the University of Sheffield and the resulting technical paper, we demonstrated that our precast piles use 10% less concrete, and 5% less steel, than a comparable large diameter cast in-situ vertical pile. We also collaborated with international consulting group COWI to publish our second research paper on low carbon infrastructure. Our wholly owned subsidiary company Centrum Pile, are also a Corporate Partner of the Nottinghamshire Wildlife Trust, supporting their mission of conservation and protection of wildlife across Nottinghamshire. Joining a network of local companies, we are making a tangible difference to the business, site operations and environment where our clients and employees live.



## OFFSITE CONSTRUCTION