

Challenges:

Piling involves techniques to create deep foundations, often requiring materials and processes that have significant environmental impacts. These would be our main sustainability challenges. Concrete, a key material in piling, is highly carbon-intensive due to the production of cement, which releases significant CO₂, accounting for around 8% of global emissions. Transportation for equipment, materials, and waste is a necessary element that has limited options for improvement. However, HVO fuels, reducing CO₂ emissions, adapting equipment, or renewing to the latest technologies, enables the use of lighter, more efficient equipment, helping to reduce fuel consumption. These are options that we have taken advantage of to help with our sustainability. With the recent purchase of two pre-cast concrete rigs, these helps eliminate waste from conventional CFA piling, reducing the need for transporting off-site while also enabling developers to move forward with the build without waiting for the concrete to set.

Impact:

The impact of these challenges for Specialist Piling is generally financial, however, it is felt as an investment as we move to purchase two pre-cast rigs and two new CFA rigs with the latest technologies to help reduce and improve consumption. With multiple resources based on HVO fuels found within the Sustainability School, it has helped us understand the benefits for the environment and enabled us to offer a more sustainable option within our sector. We are also finding that supply chains opting for a more sustainable supplier will help drive awareness, and the Sustainability School accreditation and learning modules will help suppliers improve their own systems.

Engagement events:

Specialist Piling actively attends supply chain meetings and network meetings to help create awareness of how the market is trending and how developers and suppliers are moving forward with new challenges. Exchanging ideas and knowledge within the piling industry helps with learning best practices and expectations within the industry.

Assessments:

Being a small to medium company, assessments will play a vital role in improving Specialist Piling's knowledge and understanding of where they stand within the industry.

Value gained:

There is so much on the Sustainability School website as far as a knowledge base. The case study makes suppliers understand where they feel they are with their own journey. Specialist Piling Solutions'

Fact box



Company

Specialist Piling Solutions Ltd

No of employees

12

HQ

Poole, Dorset

Website

www.specialistpiling.com

Main contact

Leigh Porter

leigh@specialistpiling.com

Services

Specialist piling solutions offer a wide selection of Foundation Piling options. Contiguous Flight Auger (CFA), Steel case driven (SCD), Pre-Cast Concrete, Sheet, Screw Piling, Secant Piled Wall, Contiguous Piled Wall.

About

Specialist Piling Solutions is your trusted partner, delivering a comprehensive range of services from initial design to project completion. With a proven track record of reliability, efficiency, and competence, we stand ready to serve your needs for all types of projects across the UK. Our team of highly experienced and qualified engineers will meticulously design your foundation schemes and oversee our skilled, CSCS-certified workforce, ensuring a cost-effective piling solution that instils confidence.

journey is about intention. Their intention to improve and make the company as sustainable as they can, which would in turn give them more access to more clients. Growth is not just about being the cheapest. It's about quality and how sustainable they can be. That is far from the cheapest; however, that's now what developers are looking for. The Sustainability School helps with training and knowledge to enable them to continue this journey with the latest information.

Future proofing:

Their plans for the school are to gain and maintain a gold standard. They aim to keep up to date through the school modules and share their knowledge where they can during their journey. The school's accreditation is becoming more important, and the expectation within the developers to have this is becoming higher. It is a key goal for Specialist Piling Solutions to maintain a high standard within their membership.