

## Challenges:

**Carbon Emissions from Equipment:** Piling rigs and machinery historically rely on diesel, contributing significantly to carbon footprints.

**Material Waste:** Excessive concrete use on-site can increase costs and environmental impact.

**Regulatory and Client Expectations:** Increasing demand for sustainable practices in construction.

## Impact:

### Modern Fleet of Emission-Friendly Rigs

**Impact:** Advanced fuel efficiency and reduced environmental impact, aligning with industry sustainability goals.

### Transition to HVO Fuel

**Achievement:** 85% of Sheppard Piling's plant now operates on HVO fuel, a renewable diesel alternative derived from waste oils.

**Impact:** HVO reduces greenhouse gas emissions by up to 90% compared to traditional diesel.

### Sustainable Supply Chain

Sourcing materials locally to cut transportation emissions.

Partnering with environmentally conscious suppliers to meet Sheppard Piling's green goals.

### Community and Environmental Stewardship

Low-noise piling techniques to minimize disruption in urban and sensitive environments.

Commitment to waste recycling and spoil management to protect ecosystems.

## Value gained:

**Carbon Reduction:** The combination of a modern fleet, HVO fuel, NDT monitoring, and optimized designs has significantly reduced operational emissions and material waste.

**Client Confidence:** Demonstrating leadership in sustainability has strengthened relationships with environmentally focused clients.

## Fact box



### Company

Shepherd Piling

### No of employees

10

### HQ

Guildford

### Website

<http://www.sheppardpiling.com/>

### Main contact

Derek Fulk

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### Services

Sheppard Piling provides cost-effective CFA and mini piling solutions, including restricted access projects, across London, the South East, and beyond.

### About

*Sheppard Piling is a specialist piling contractor installing cost-effective piled solutions throughout London and the South East. Operating from its base in Ockham, Surrey, Sheppard Piling efficiently services the M25 and surrounding counties but has also completed projects further afield, including the Midlands, Dorset, and Devon.*

**Operational Efficiency:** Lower emissions, improved fuel efficiency, and minimized material waste have resulted in cost savings and reduced environmental impact

### Future proofing:

E-Learning Modules: Continued use with implementation of HVO opportunities to assist with full transition to HVO fuel across all machinery by 2030.