



**FASTER FOUNDATIONS FOR EXTENSIONS**

# Advantages of Helical Piles for Consultants, Architects & Structural Engineers



## 1. A Holistic Foundation Solution with Offsite Bases

- Our helical piles form part of a complete alternative foundation system when combined with load-bearing steel ring beams, offering an alternative holistic approach to foundation design.
- All components are designed by chartered engineers to meet industry standards and best practices, with the solution covered by £5M Professional Indemnity (PI) insurance for complete assurance.
- All necessary documentation such as structural calculations, installation reports and warranties provided.

## 2. Faster Installation – Reduced Project Timelines

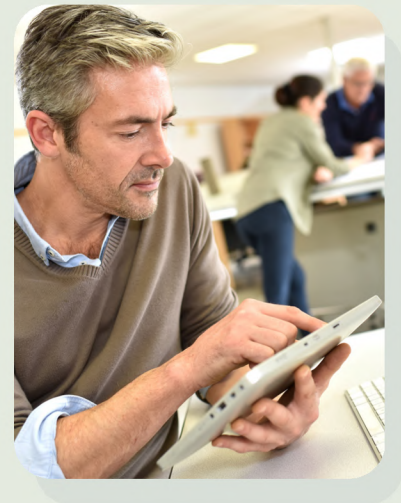
- Quick and efficient installation significantly reduces project timelines, allowing construction to progress to the next phase promptly.
- With no curing time required, helical piles enable immediate loading, avoiding unnecessary delays.

## 3. Sustainability & Environmental Benefits

- Helical piles are a sustainable choice, reducing carbon emissions by eliminating the need for concrete and large-scale excavation.
- Their installation process produces minimal noise and vibration, minimizing disturbances to both the environment and surrounding communities, making them ideal for sensitive sites.
- With low ground disturbance, helical piles help protect local ecosystems, contributing to a greener construction process.

## 4. Adaptable to Challenging Soil Conditions

- Helical piles are highly versatile, performing well in poor soil conditions such as soft, silty, or sloping sites.
- They provide a reliable foundation solution in areas with limited load-bearing capacity, such as 'brownfield' or 'greyfield' sites.



## 5. Ideal for Contaminated or Restricted Access Sites

- No extensive excavation is needed, making helical piles suitable for sites with contaminated soil or restricted access, such as urban locations.
- They minimize site logistics due to reduced machinery requirements and limited site disruption.

## 6. Tree-Friendly Solution

- Approved by arborists, helical piles can be installed near trees without impacting root systems, preserving natural surroundings.

## 7. Year-Round Installation

- Helical piles can be installed in various weather conditions, ensuring projects proceed without seasonal interruptions.

### Offsite Bases Limited