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**FLI** structures

Screw Piles for  
Rapid Deployment Foundations





We are designers and manufacturers of structures and steel foundations. Designing both as a system lets our engineers optimise the stiffness, enabling leaner solutions.

Steel foundations are particularly useful when there are tight time constraints, difficult ground, crowded sites or problems to be solved during delivery.

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## Rapid Deployment Foundations

With each pile being installed in minutes, foundations can be completed in a single shift. No concrete means no curing time, less time on site and less plant required.

## Sustainable Technology

Screw Pile steel foundations are easily extracted at the end of their working life, making them 100% recyclable. In addition they remove the need for any concrete, greatly reducing a structure's carbon footprint and eliminating the major excavations.

For more information on sustainability at FLI, please download our sustainability document from the Company Information page on our website.





## No Vibration

Screw piling is a gentle activity compared to traditional driven piles so is a much safer option when working close to existing buildings and structures.

## Minimal Excavation

With no need for concrete the amount of excavation required is minimal. Producing less disruption on site and usually removing the need to transport any spoil away from site.





## Constrained Sites

With no need for extensive excavation, flexible plant requirement and very low vibration, constrained and congested sites present few problems.

## Steep Slopes

Steep slopes and soft ground present problems for mass concrete foundations but not for screw piles.

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Installation unaffected  
by Ground Conditions



## Single Pile Options

Screw piling offers design flexibility that is able to address issues like installation efficiency, site congestion and limited plant access.

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## Markets

### Rail:

Gantries, staging platforms, footbridges.

### Telecoms:

Tower, monopole and radar foundations.

### Highways:

Gantries and footbridges.

### Energy:

Substations, met masts, platforms and walkways.

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