

FLI structures

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Network Rail OLE Framework Supplier

FLI is a framework supplier of Overhead Line Electrification steelwork to Network Rail, having provided steelwork to various OLE projects across the UK, including Greater West, Greater Anglia and the GE Line and others.

FLI's in-house design team can help you solve technical problems on-site, for example the Flexi-Pile Cap range, Patent No. P002974GB01.



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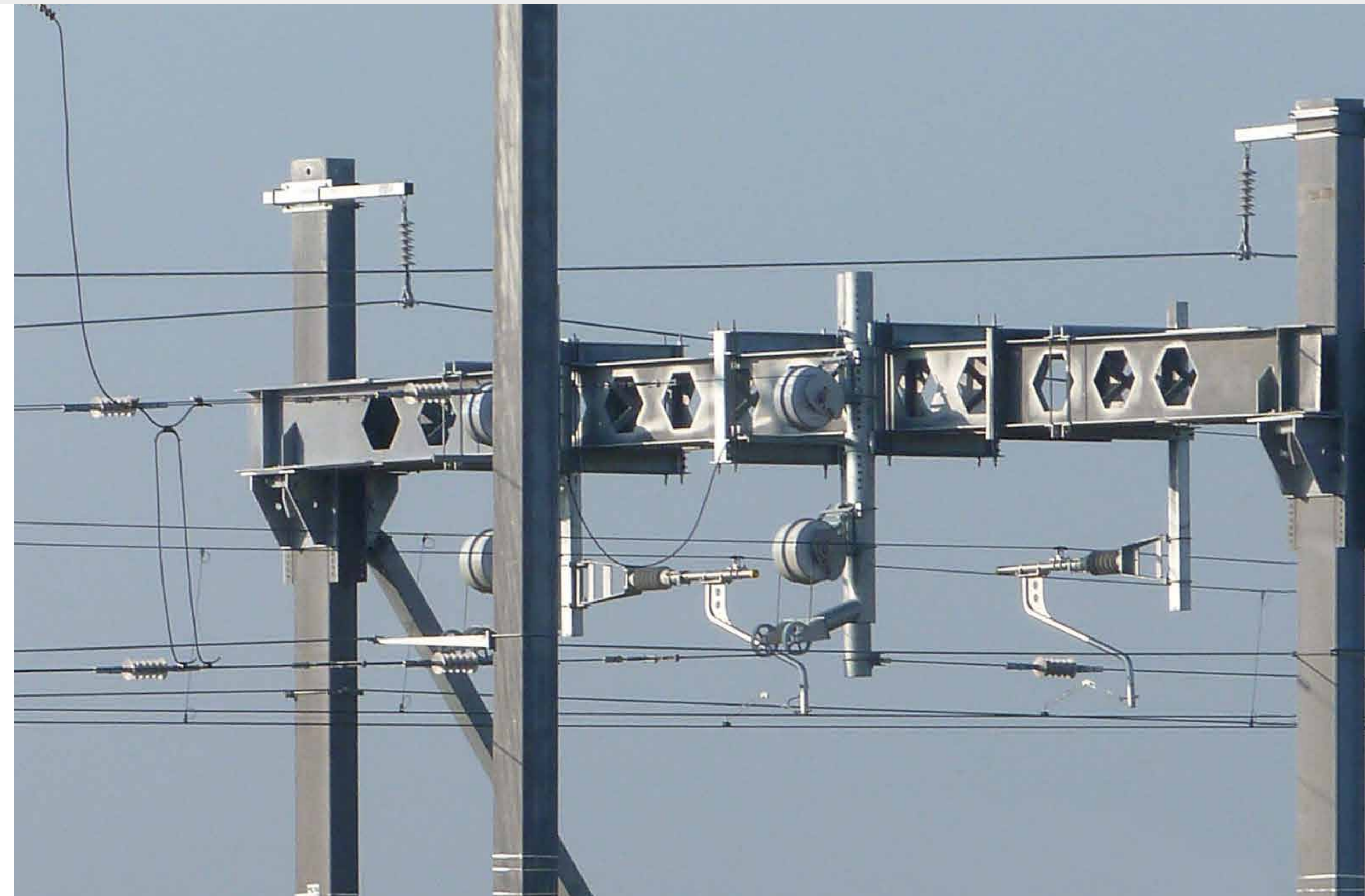
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The Greater West

FLI has been supplying OLE steelwork for over 15 years, into projects of all sizes. Delivering fabricated steelwork, and innovative solutions to Network Rail, for example the Offset Foundation Beam, to align piles & masts.

FLI supplied large volumes of Overhead Line Electrification steelwork to The Greater West Project, including all the HEB & RHS Mast types as well as gantry booms. This included Mono Anchor booms, F booms, Q booms, Twin Track Cantilevers, and small part steelwork.



Capacity & Storage

With production lines and procedures tailored to OLE project delivery. FLI has the capacity to output 400 mast columns or 100 booms per month, or a similar mix of the various masts and boom types.

Our dedicated storage site allows customers to call off individual items as required.



Location to Core Valley Lines project

FLI factory location is at Waterwells Business Park, Gloucester. As well as fabrication, the drawing office, engineering, project management

and HSQE teams are all based in Gloucester, ideally located to service the CVL project.



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Quality & Reliability

FLI is certified to all relevant ISO standards. Welders are qualified to BS EN ISO15614-1, using BS EN ISO 9606-1 procedures & certified by UKAS and accredited to Ex Class 4.

FLI has a low defect rate of just 0.01% (against an industry average of 3%), which ensures high quality steel to site to help you achieve your programme.



Pile Installation Problems Solved

Flexi-Pile Cap

It is sometimes necessary to mount OLE (overhead line electrification) structures on circular piles that have been damaged during installation, are out of alignment, have refused before reaching full depth, are in the wrong position or need to bridge existing services. The Flexi-Pile cap is a cut and drill solution with no need for hot works on site. A complete range of tabs and bridging beams to solve all installation problems.

Patent Granted: No. P002974GB01



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For Structures On 610mm Piles

Type One: 610 Pile
Flexi-Pile Cap for 4 x M36
on a 594 bolted base plate.
Part No OLE14- (Wt = 15.7kg)
Master Series: 315.90014

Type Two: 610 Pile
Flexi-Pile Cap for 6 x M30
on a 594 PCD bolted base plate.
Part No OLE12- (Wt = 15.9kg)
Master Series: 315.90015

Patent Granted: No. P002974GB01



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For Structures On 762mm Piles

Type Three: 762 Pile
Flexi-Pile Cap for 6 x M39
on a 746 PCD bolted base plate.
Part No OLE20 - (Wt = 27kg)
Master Series: 315.90013

Patent Granted: No. P002974GB01



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762 Pile Structures On 610 Piles

Type Four: 610 Pile
Flexi-Pile Cap for 6 x M39
on a 746 PCD bolted base plate.
For mounting a 762 pile compatible
structure onto a 610 pile.
Master Series: 315.90020

Patent Granted: No. P002974GB01



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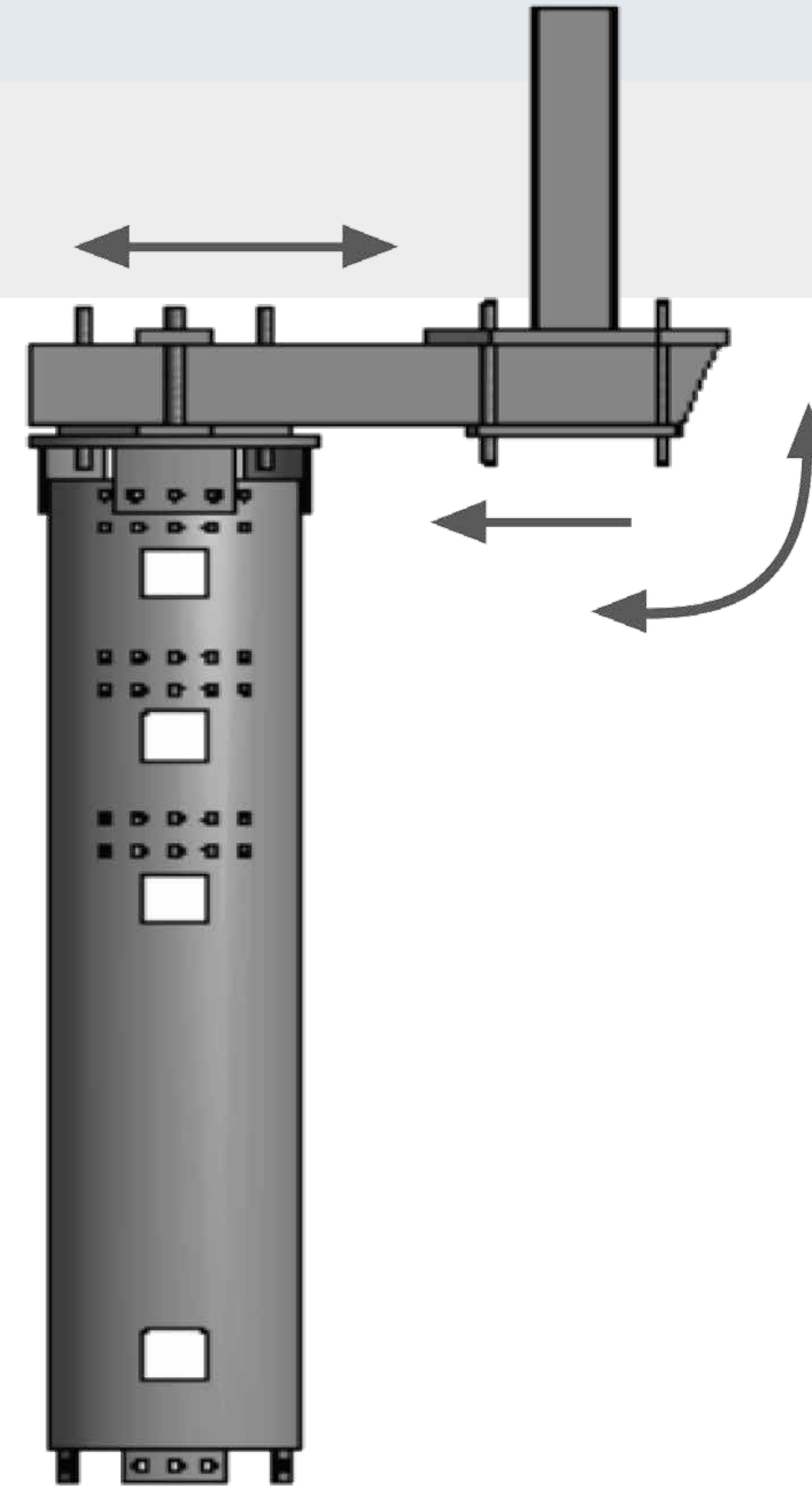
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Bridging Services

Flexi-Adaptor Beam

A solution for piles that are out of alignment or when there is a need to bridge existing services.

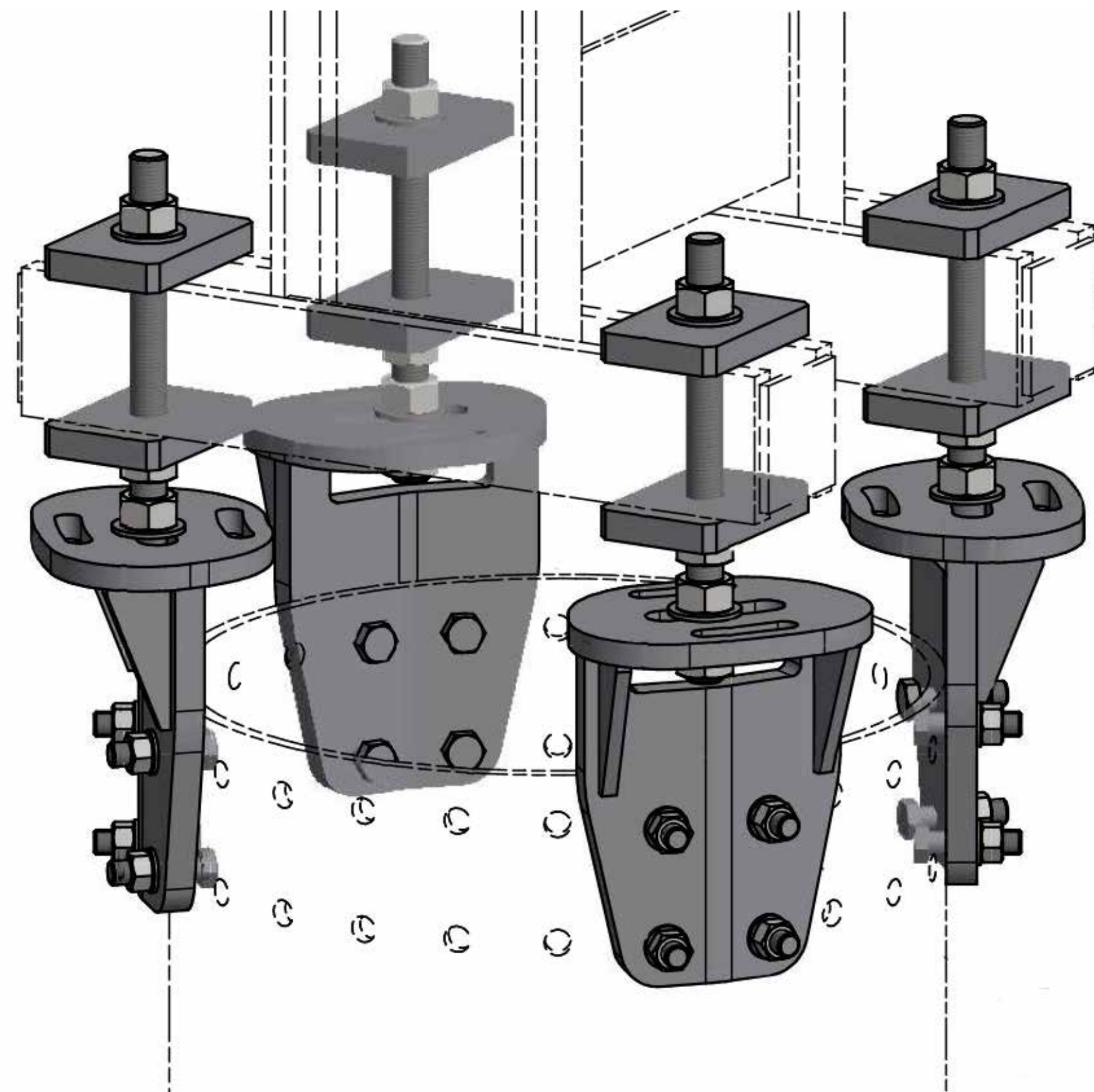


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Double Channel masts



Mount Double Channel Masts
Without Using An Adaptor Plate.

Type Five: 762 Pile
Flexi-Pile Cap for 4 x M36 x x514mm
bolt centres. Eliminates the need
for a 60mm thick adaptor plate with
double channel masts.

Flexi-Pile Cap UK Patent: No. P002974GB01

Fitting Flexi-Pile-Cap



Cut pile to Height.



Drill holes using a template.



Bolt on Flexi-Pile Cap tabs.



Land structure.

No hot works on site and hand carryable. Flexi- Pile Cap also allows for rotation and removes the need for an interface plate.