

## Telecoms Newsletter – Q1 2026

As we approach the end of the first quarter of 2026, we're pleased to share the latest updates from across FLI. From continued innovation in our patented technologies to further strengthening our tower and foundation design capabilities, here's what we've been working on so far this year.

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## Project Overview: 40m T3A Installation in Scotland

FLI recently delivered a successful design, fabrication and supply of a new 40m T3A telecommunications tower for MBNL in North Lanarkshire.

The structure was engineered to support multiple operators while ensuring safe and efficient access for installation and maintenance teams.

Key project details include:

- 40m T3A lattice tower complete with sections G–A.
- Integrated ladder, latchway fall-arrest system and anti-climb protection.
- Feeder brackets installed on two legs with integrated earth lugs.
- 3m Headframe at 40m for EE / Three UK, complete with 6 antenna poles and flooring.
- 3m CTIL Headframe at 30–35m with 3 antenna poles and flooring.
- Dish poles positioned at 28m, with dishes recommended on the CTIL HF ring for safer and easier access.

*Learn more:* For more information on our Lattice Tower capabilities, please visit <https://www.fli.co.uk/markets/telecoms/towers/>

## Project Overview: 6m AD4500 Radar Tower Supporting Terma Antenna System

FLI recently completed the design, fabrication and installation of a radar tower with integrated staircase access to support a Terma radar system, delivering a robust structure tailored for specialist monitoring equipment.

The project involved a comprehensive engineering scope, ensuring both the tower structure and supporting infrastructure met the required performance and safety standards.

Key elements of the project included:

- Design and engineering of the radar tower, including a full design pack and radome interface design to ensure compatibility with the Terma radar system.
- Engineering reports and structural assessment in a remote Scottish Islands with high winds, including a global design check of the Uist tower.
- Structural strengthening detailing for Uist steelwork, based on recommendations from the Royal Haskoning report.



*Learn more:* Check out our other work within Radar <https://www.fli.co.uk/markets/radar-towers-and-monopoles/>

## Foundations: New Design Options Reports available for Lattice Towers, Monopoles & Streetworks Poles

In February, FLI issued three new Design Options Reports into the telecoms sector, covering foundation options for Lattice towers, Monopoles and Streetworks Poles.

As telecoms sites are upgraded and structures increase in height and loading, FLI provide a reliable source of foundation design, which is crucial to build programme certainty and risk management.

These updated Foundation Options Reports include steel helical (screw) pile foundations with standard & bespoke steel grillage frames for all structure types. FLI's Geotechnical spec document is included as well install risk mitigation options to help reduce uncertainty before mobilisation.

FLI's foundations are quick to install and negate the use of concrete and wet trades. Structures can be installed immediately as there is no curing time, helping operators to deliver sites faster.

**FLI is the only UK company that designs and installs both the steel structure and screw piled foundation as a single engineered system, ensuring compatibility from design through to installation.**

*Learn more:* For a copy of the reports, or to be added to our mailing list for updates, please contact [sales@fli.co.uk](mailto:sales@fli.co.uk)



### Monopole Foundations Design Options Report

Screw Piles & Frame to Support:  
**DM3 & DM4 Monopoles**

Design Options  
FLI document reference: 2026/10

Revision	Modification	Date	Prepared By	Checked By	Status
00	First Issue	27/01/2026	Rob Skone	Tony Parker	For Approval



### Streetworks Foundations Design Report

Screw Piles & Frame to Support:  
**20m Atlas, Apollo, Orion, M-Range Streetworks Poles**

Generic Design  
FLI document reference: FLI 2023/89

Revision	Modification	Date	Prepared By	Checked By	Status
00		06/01/2026	Tony Parker		For Approval



### Lattice Tower Foundations Design Options Report

Screw Piles & Frame to Support:  
**Lattice Tower Generic Design**

Generic Design  
FLI document reference: 2026/18

Revision	Modification	Date	Prepared By	Checked By	Status
00		03/02/2026	Rob Skone	Tony Parker	For Approval

## Company Milestone: Celebrating 35 Years of FLI within the Haley Group

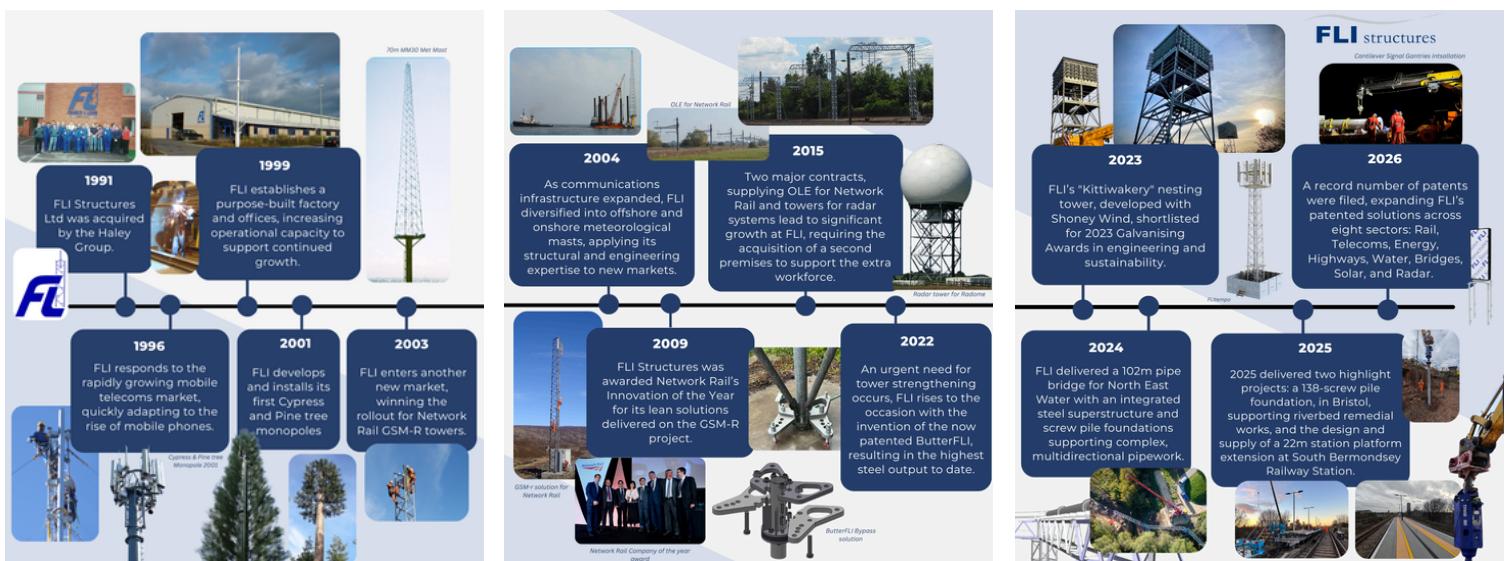
This year marks a significant milestone as we celebrate 35 years of FLI within the Haley Group. As the Haley Group reaches its 40th year, the anniversary offers an opportunity to reflect on the journey that has shaped FLI over the past three and a half decades.

Since joining the Haley Group, FLI has grown through a focus on practical engineering, innovation and delivering reliable foundation and structural solutions across multiple sectors. Innovation continues to be a core part of this journey, **with five patents granted and a further eleven currently pending**, demonstrating FLI's ongoing commitment to developing new technologies and smarter engineering solutions.

Sustainability is also playing an increasingly important role in our work. **By using screw piled foundations manufactured from green steel, FLI systems can operate at over 70% lower CO<sub>2</sub> emissions compared with traditional concrete foundations**, helping clients reduce the environmental impact of their infrastructure projects.

**At the heart of the business are the people behind it. The expertise, dedication and collaboration of our team, partners and clients have helped shape FLI into the company it is today.**

**Learn more:** Contact us directly to find out more about our capabilities [sales@fli.co.uk](mailto:sales@fli.co.uk) or visit our website <https://www.fli.co.uk/markets/telecoms/headframes/>



## Product Spotlight: FLIral – Our Patented Foundation Solution

FLI's newest patented foundation solution, The FLIral, a hand-install steel foundation system designed for projects where access, speed, and minimal disruption are critical. Built on the proven performance of screw pile technology, **FLIRAL enables foundations to be hand-carried and hand-installed, removing the need for heavy machinery and making it ideal for restricted or remote locations.**

Unlike traditional concrete foundations, FLIRAL requires no excavation, no spoil removal, and no curing time, allowing structures to be installed immediately after the foundation is placed. **This significantly reduces installation time, site disruption, and logistics on site.**

### Key benefits include:

- Hand-carried components for easy transport to difficult-access sites.
- Hand installation with no large rigs or heavy plant required.
- Rapid installation with immediate load-bearing capability.
- Minimal ground disturbance and reduced noise on site.
- Sustainable steel solution, fully recyclable and supporting lower-carbon construction.
- Versatile applications across rail, telecoms, highways, civils, and energy sectors.



*Learn more:* Check out our website page on our Hand Install Solutions here: <https://www.fli.co.uk/screw-piles/hand-install-steel-foundations/> or contact the team to find out how we can help:

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