

## Telecoms Newsletter – Q4 2025

This quarter, we're showcasing innovation, progress, and product development across the business. From advancing our patented technologies to enhancing our tower and foundation design capabilities, here's what's new at FLI as we close out 2025.

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## Factory News: Expanded Angle Line Capacity

To complement our existing beam, tube, and plate lines, FLI has invested in the latest generation of **high-capacity CNC punching and shearing line for steel angle**. This advanced system brings greater automation and precision to the fabrication of our largest and most complex structures, from pylons to screw pile assemblies and beyond.

The new line not only enhances our workshop efficiency but also enables us to deliver high-quality steel components faster and more cost-effectively. Alongside this, **a new reach stacker** speeds unloading and inspection, **induction pre-heating** replaces traditional methods for faster, greener welding, and **a new welding wire reduces costs and fume output**.

By expanding our in-house capabilities, we're continuing to strengthen the **reliability, speed, and value** we offer across every FLI project.

*Learn more:* Make sure to get in touch with our sales team to discover our factory's full capabilities [sales@fli.co.uk](mailto:sales@fli.co.uk)



## Team Update: New Engineering Qualifications

We're delighted to share that **Hamish and Richard have both achieved Chartered Engineer status, while Jodi has earned her Engineering Technician (EngTech) qualification**. These milestones reflect years of dedication, skill, and professional growth, and we couldn't be prouder. Several more team members are currently working toward their own qualifications, so we expect more good news soon.

At FLI, our engineers are true experts, combining broad technical knowledge with hands-on industry experience. Because FLI is owned and run by engineers, we place strong emphasis on design excellence, problem solving, continuous improvement, and product development. We're committed to helping every team member reach their full potential by providing the support, mentoring, and opportunities needed to grow professionally and contribute to FLI's ongoing evolution.

*Learn more:* Check out our GDC Portal to discover how our engineers can bring your project to life <https://www.fli.co.uk/markets/telecoms/global-design-check/>



## Product Preview: Our Innovation Pipeline

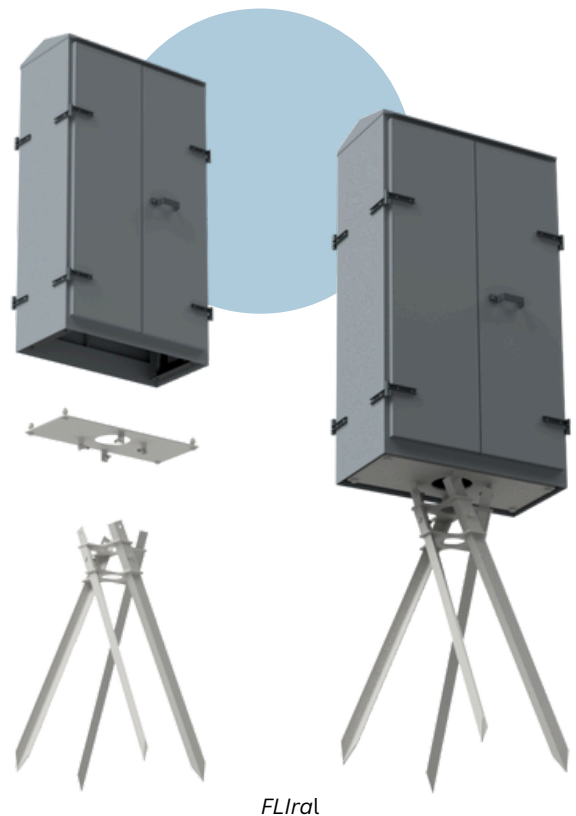
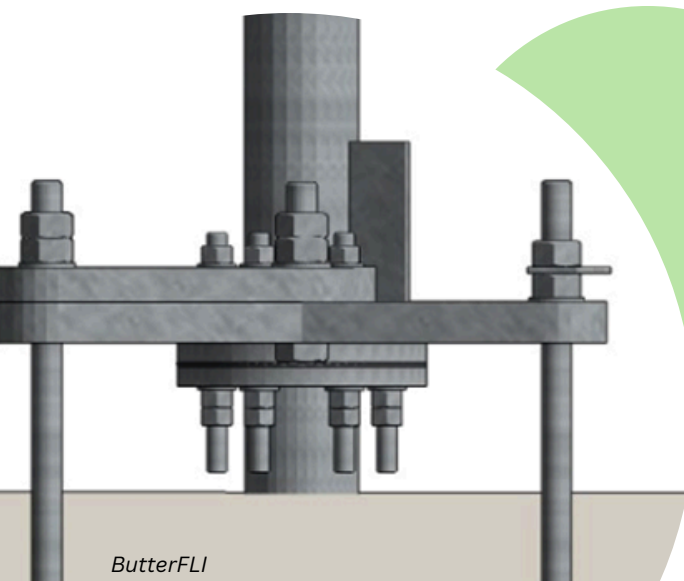
Innovation continues to be a core focus at FLI, and this quarter we're pleased to share a very broad update on a number of ongoing development initiatives across our product range. Alongside our existing patented solutions – **ButterFLI**, **Pile Tabs**, and **FLIral** – our engineering teams are progressing several new concepts that aim to strengthen our offering in both temporary and permanent foundation systems.

While much of this work is still in early technical development, we can outline a few of the areas currently receiving attention:

- **Foundation System Enhancements** – We are exploring a series of incremental improvements across various pile and frame interfaces, with a focus on versatility, installation efficiency, and improved on-site adaptability.
- **FLI Tempo** – Our modular, temporary support system continues to evolve as we refine its configuration, usability and deployment options across a range of applications.
- **Micropile Group Solutions** – Work is ongoing to assess new approaches for supporting larger structures through optimised group arrangements and improved efficiency measures.

In addition, our engineering teams are advancing a series of new pile-related innovations – with around eight new developments moving through our internal patent preparation process. We look forward to sharing more about these in our next newsletter as they progress through the appropriate stages.

*Learn more:* Contact us directly to find out more about our patent pending solutions and see if they're the right fit for your projects. [sales@fli.co.uk](mailto:sales@fli.co.uk)



## Case Study: Flexible Headframe Installation for Rail Telecoms

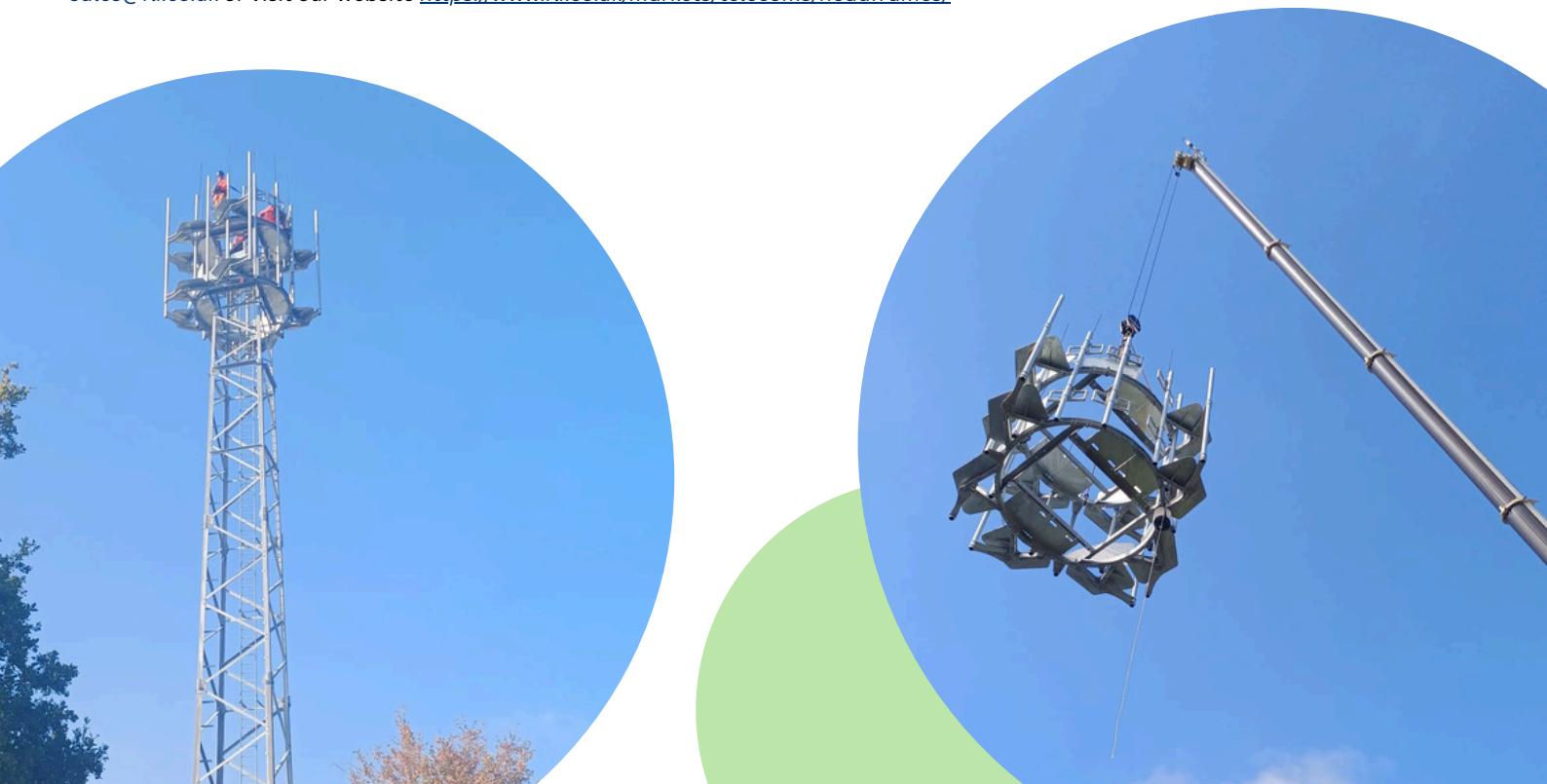
This quarter, FLI successfully supplied a new 9-antenna headframe to improve telecoms coverage along a rail route. Designed with aesthetics in mind, it offers a sleeker alternative to traditional delta headframes, supporting smoother site acquisition and helping to streamline planning approvals.

**The 9-antenna configuration provides 1m separation between each antenna, making it the most flexible headframe solution on the market.** Operators can adapt it to a wide range of network requirements: each group of three antennas can always be positioned in line, and group separation can be reduced to a minimum of 85 degrees instead of the usual 120—ideal for track-based telecoms. **With its endless orientational adjustment, the tower no longer needs to be configured relative to the site; the tower can be placed for maximum convenience, and the headframe will accommodate any antenna configuration required.**

This design is also applicable beyond the rail environment. We recently adapted it into a 12-antenna configuration for a telecoms site, following the same principles. A 6-antenna version is also available, upgradeable to 9, and the 9-antenna version can be upgraded to 12, thanks to their common core.

The headframes include safe access with flooring and a latch-on point, and where gaps between antennas occur, handrailing is provided. In short, it's an all-singing, all-dancing solution.

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



## Seasonal Highlights: Celebrations in Full Swing

Celebrations are in full swing as we round out a busy and meaningful season. Our team came together for a successful Halloween event featuring **pumpkin and costume competitions, ping-pong activities, and s'mores enjoyed around our in-house steel-structure fire pits.**

We are equally proud to participate again in the **Hamper Scampers initiative, contributing gifts for 60 children in need this holiday season.** It's an effort our staff genuinely look forward to each year and a reflection of the generosity and spirit that runs throughout FLI.

Our culture of growth doesn't stop at events. **Over the past year, office staff have been donning overalls and stepping into the workshop to expand their skills, learning to weld,** tackling new technical challenges, and building confidence on the tools. It's been exciting to see colleagues push themselves, gain hands-on experience, and help strengthen our capabilities as a team.

As we move into the new year, we're already planning ways to keep the momentum going. Look out for more team events, opportunities to get involved in charity initiatives, and **another exciting year supporting the Cheltenham Tigers, our sponsee wheelchair rugby team.**

We're also looking forward to continuing the celebrations of amazing employee initiatives, such as **Ollie Lucas stepping into the ring for an MMA fight to raise £400 for Bowel Cancer UK, with support from colleagues and the company, and winning the fight on top of it!** We are so proud of the challenges and self driven projects our employees take on.



## Product Update: Latest ButterFLI Tower Designs

Our latest patented ButterFLI tower designs are now available for a wider range of configurations, including AD9000, Swann 30H, OH, and others. These updated designs build on the proven ButterFLI concept – lightweight, modular, and engineered for fast, efficient installation.

Each design incorporates feedback from recent deployments, enhancing ease of assembly, durability, and long-term performance across more tower types.

By extending the life of existing structures and reducing the need for entirely new towers, the latest ButterFLI range helps save time, cut costs, and support growing network demands.

We have created a new Flange clamp for strengthening between tower modules based on ButterFLI. We are adapting the technology to use for markets outside of Telecoms, such as for pile refineries.

**Learn more:** Check out our website page on our Strengthening Solutions to find out more <https://www.fli.co.uk/markets/telecoms/aged-structures/>



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