

CONNECTING REMOTE EV CHARGERS WITH SPITFIRE'S MANAGED 4G CONNECTIVITY

COSMIC CHARGING

Cosmic Charging is a fast-expanding UK-based company building out electric vehicle charging infrastructure across a wide variety of sites.

As EV uptake grows, so does the demand for dependable charging networks in both urban centres and more remote or hard-to-service areas.

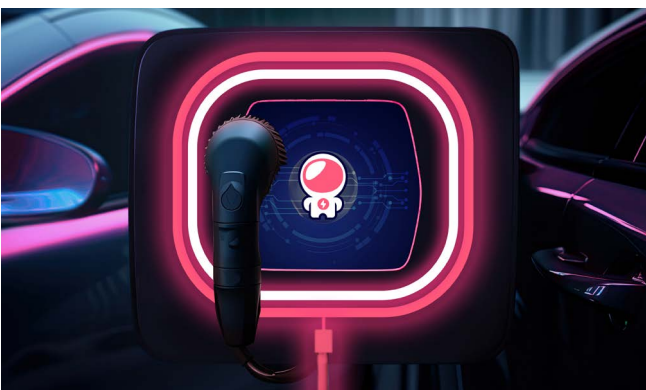
All of Cosmic Charging's installations require a reliable internet connection to support their load management system and ensure chargers operate efficiently. However, many deployment sites lack traditional broadband options.

With connectivity a critical element in securing and delivering new installations, Cosmic Charging partnered with Spitfire to find a solution that was robust, cost-effective, and easy to deploy at scale.

The Challenge

Cosmic Charging needed a solution that:

- Delivered reliable 4G internet connectivity for EV charge points, independent of customer networks or existing infrastructure



- Could be deployed quickly and scaled as demand grew
- Was cost-effective, particularly for low-data usage deployments
- Included industrial-grade routers suitable for outdoor or rugged environments

Jay Stevens, co-founder, Cosmic Charging, says,

"We're a mission-driven business, making it fair and equitable for people to charge if they live in apartment buildings or terrace houses. To deliver on that mission, we need connectivity we can rely on."

The Solution

Spitfire delivered a complete, plug-and-play connectivity package tailored to Cosmic Charging's needs for remote and self-contained deployments:

- **Industrial-Grade 4G Routers:**
As a Teltonika partner, Spitfire supplied rugged, reliable routers built for demanding environments - all at an affordable price point. Pre-configured and deployment-ready, these devices offer a true one-stop-shop solution.



Innovative • Flexible • Reliable • Supportive • Cost Effective



- **Pay-Per-MB SIMs:**
Designed for low data usage, Spitfire's flexible pricing model keeps ongoing costs low, making it ideal for charge point connectivity.
- **Standalone Connectivity:**
The solution removes any dependency on the customer's existing network, offering greater flexibility and eliminating security concerns.
- **Simple Scalability:**
With centralised management tools and minimal deployment overhead, scaling up to support new sites is fast and efficient.

"Lots of our solutions simply don't work without a communication method," explains Jay. "If there's an energy supply 100 metres from a building, there's no cost-effective way of getting internet out there without the solutions Spitfire provides."

Outcome

Cosmic Charging can now deploy EV charging stations in any location across the UK with confidence, using a secure and reliable connectivity solution that removes network friction and speeds up installation timelines.



"It's been really easy to deal with Spitfire," Jay says. "In any scenario where we can use their system, we will. It's significantly cheaper than fibre solutions and opens up areas we simply couldn't reach otherwise."

Key benefits:

- Independent, secure connectivity for each charge point and load management system
- Low-cost data pricing model aligned to minimal usage requirements
- Rugged 4G hardware built for industrial use, with plug-and-play deployment
- Faster project delivery with fewer customer dependencies

Spitfire's managed 4G solution is now a key part of Cosmic Charging's infrastructure toolkit - enabling seamless, scalable growth across the UK's evolving EV landscape.



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