



infinite wireless

# Case Study: Construction

## Built to Scale: How a National Contractor Future-Proofed Jobsite Connectivity

### Client

A leading national electrical firm powering a long-term remote project, deploying 1,500 service trucks, 75+ job trailers, and a workforce of over 1,000 employees.

### Challenge

The company initially relied on a single cellular provider to power LTE data connectivity across three critical usage models: job trailers, service trucks, and field teams. This approach quickly revealed severe coverage limitations, as no single provider could deliver consistent performance across all project locations.

Shifting to a multi-carrier strategy introduced new complications—particularly the operational burden of managing devices constantly moving between job sites, trucks, and field teams. The company needed a cost-effective, scalable, and low-maintenance solution to ensure seamless connectivity and reduce IT overhead.



- 📈 99.999% Uptime
- 💰 Reduced Revenue Loss
- ⌚ Faster Incident Recovery
- 🌐 Scalability & Future-Proofing

### Solution

IW delivered a fully integrated connectivity solution tailored to meet the company's diverse mobile and remote data needs:

- ✅ **Construction Trailers**: Deployed 4G vSIM-enabled routers providing plug-and-play connectivity. Automatically connected to the strongest available network from over 40+ national LTE carriers, ensuring consistent service without dependence on a single provider.
- ✅ **Service Trucks**: Equipped each truck with 4G/5G wireless hotspots, allowing mobile teams to stay securely connected to corporate systems from any location.
- ✅ **Field Team Support**: Replaced unreliable satellite connectivity with rugged, weatherproof LTE routers that offered reliable data service in harsh environments, supporting up to 1,000 team members simultaneously.
- ✅ **Cloud-based monitoring & remote management** – Giving IT teams centralized control over all locations' connectivity.

### Results

- 📈 99.999% Uptime : Zero downtime across job trailers, mobile hotspots, and rugged remote routers.
- 💰 Reduced Revenue Loss: Prevented costly project delays and lowered operational costs by simplifying network management.
- ⌚ Faster Incident Recovery: Automatic failover reduced reliance on manual IT support.
- 🌐 Scalability & Future-Proofing: The company can now confidently expand to new sites, knowing connectivity will never be a bottleneck.



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