

How ISPs Can Eliminate Truck Rolls and Downtime

The Business Case for ZPE Systems' Nodegrid

The Challenge for ISPs

ISPs face two operational challenges:

1. **Truck Rolls:** Every time an engineer goes on site, it costs thousands in labor, fuel, and time. Multiply this across hundreds of POPs and hubs, and the cost is unsustainable.
2. **Downtime:** Outages quickly turn into lost revenue, churn, and potential SLA penalties. Without remote access to quickly restore devices, outages last for hours or days.

Traditional management solutions rely on production networks for access. But when production goes down, so does the remote lifeline. This forces truck rolls and downtime.

How ISPs Get Rid of Truck Rolls with Nodegrid

Nodegrid is like a virtual truck roll. It's a completely isolated out-of-band management plane that gives you full remote access to your ISP production stack. It combines serial console, Ethernet, and power management into one device that's accessible via 5G/LTE, satellite, and other dedicated links, giving your team always-on admin access.

Benefits:

- **No more truck rolls:** Respond to and recover from issues in minutes.
- **Prevent downtime:** Dedicated 5G/satellite links ensure admin access, even if production is down.
- **Shrink your stack:** Replace console servers, LTE gateways, and PDU managers with one device.
- **Improve security:** FIPS 140-3, zero trust, and role-based access seal out threats.

Business Impacts & ROI

- **Less cost:** Cutting just 10 truck rolls saves thousands annually.
- **Revenue protection:** Preventing outages keeps customers happy and avoids SLA penalties.
- **Scalable:** Adapt across Tier 1, 2, and 3 operations easily.

Nodegrid helps ISPs turn downtime into uptime and truck rolls into instant remote access.

Ready for Nodegrid?

[Download the Zero-Downtime Migration Checklist to seamlessly switch to Nodegrid.](#)

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