



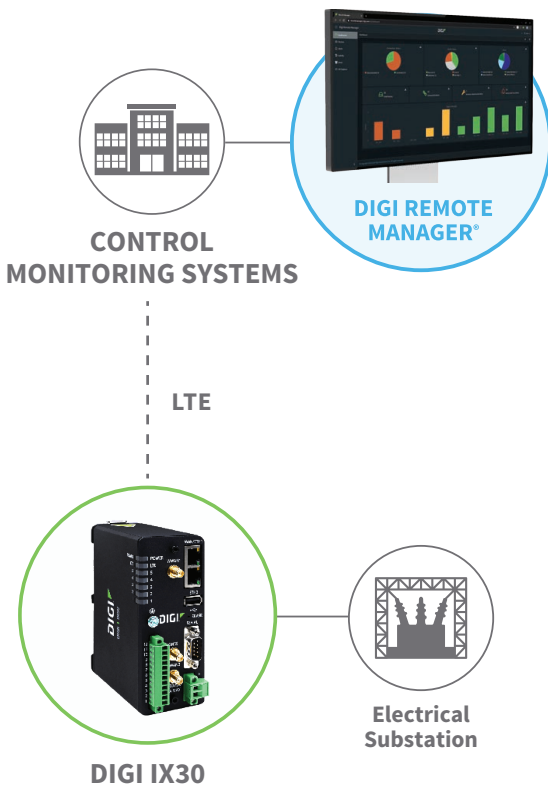
**DIGI SOLUTIONS FOR UTILITIES:
INCREASING EFFICIENCY
WITH CONNECTIVITY**

Digi Solutions for Utilities

Communication devices for remote substation equipment, SCADA systems, reclosers, capacitor banks and other transmission equipment

Digi helps utilities add a layer of digital intelligence to their grids. These smart grids use sensors, meters, digital controls and analytics tools to automate, monitor and control the two-way flow of energy across operations — from power plant to plug. Using Digi industrial cellular routers, utilities can optimize grid performance, prevent outages, restore outages faster when they do occur, and enable consumers to manage their own energy usage right down to the individual networked appliance.

Digi's industrial solutions — like [Digi IX30](#) — offer resilient, secure, reliable and scalable connectivity to future-proof smart grid deployments. With C1D2 certification, edge intelligence, and integrated remote monitoring and management via [Digi Remote Manager](#)®, the Digi IX family offers a complete industrial solution for utilities.



Case Study: LTE Operational Efficiencies Save Thousands for ElectriCities

[ElectriCities of NC](#) is a not-for-profit organization that provides a range of technical services to support power operations throughout North Carolina, South Carolina and Virginia, including emergency assistance, training, safety and communications for 90 member municipalities and 1.2 million customers.



- NCMPA1 Participants
- NCEMPA Participants
- Wholesale Members
- Major North Carolina Cities

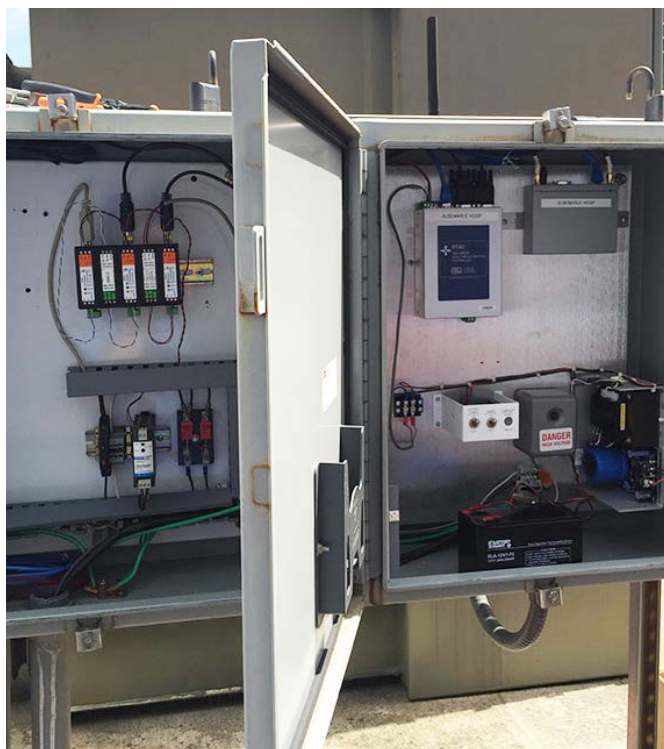
ElectriCities also supplies management services to both North Carolina Municipal Power Agency Number 1 (NCMPA1) and North Carolina Eastern Municipal Power Agency (NCEMPA).

The primary business challenges facing ElectriCities included the ability to provide the most reliable service to their customers, given the vulnerability of power networks to issues such as weather events, and the ability to scale and grow their coverage area and service offerings.

They were heavily reliant on legacy infrastructure, such as T1 circuits and 56k modems. If a tree fell, pulling down a POTS line, it might be days or weeks before the communication utilities would arrive at the site for a service call.

ElectriCities selected **Digi Industrial Cellular LTE routers** because they provided the right combination of reliability, security, control and flexibility, as well as the critical monitoring and management capabilities needed to scale their operations. Industrial cabinets house the routers for generator control and metering communications.

The routers were a desirable choice for ElectriCities because of **Digi Remote Manager®**, a hosted security, configuration and management solution that makes it easy for smaller teams to manage and secure a widely deployed solution through a single point of entry. A key feature of the platform is that it monitors the configuration of the deployed devices and can automatically remediate them to return the configuration to its approved settings.



Additionally, these solutions integrate the **Digi SureLink®** feature which enables Digi LTE routers to monitor the health of the connection through active techniques (e.g., pings) or passive techniques (via stateful firewall), then initiate corrective action such as a cellular module reset or router reboot to ensure maximum uptime.

ElectriCities saved over \$300,000 on telemetry charges the first year after implementing Digi solutions for real-time data gathering on substation meters and generators installed in the field. Savings have continued to grow annually. Additionally, ElectriCities found that Digi LTE routers maintain a far more reliable VPN connection than the dial-up modems they had used in the past.

Benefits of Digi Solutions

- ✓ **Improve Reliability and Security**
Automate security monitoring and uptime management across the network 24/7/365.
- ✓ **Reduce Installation Costs**
Quickly deploy remote connectivity to substation and powerline equipment.
- ✓ **Monitor Network Devices Remotely**
Easily monitor remote network assets with comprehensive software tools.
- ✓ **Improve Response Time**
Dramatically improve response time through increased asset visibility.



Digi Remote Manager

Configure, deploy and manage remote assets securely



Digi Industrial Cellular Routers

Intelligent 4G/5G cellular routers for critical infrastructure and industrial applications



Digi XBee® RF Modules

Easy-to-deploy, pre-certified 900 MHz and 2.4 GHz RF embedded modules



Why Digi?

Digi is a complete IoT solutions provider, supporting every aspect of your project, from mission-critical communications equipment to design and deployment services to get your application designed, installed, tested, and functioning securely, reliably and at peak performance.

Digi builds its products for high reliability, high performance, security, scalability, and versatility so customers can expect extended service life, quickly adapt to evolving system requirements, and adopt future technologies as they emerge. Digi embedded modules, routers, gateways, and infrastructure management solutions support the latest connected applications across verticals, from the enterprise to transportation, energy, industrial and smart cities use cases.

Our solutions enable connectivity to standards-based and proprietary equipment, devices, and sensors, and ensure reliable communications over virtually every form of wireless or wired systems. Our integrated remote management platform helps accelerate deployment and provide optimal

security using highly efficient network operations for mission-critical functions such as mass configuration and firmware updates, as well as system-wide monitoring with dashboards, alarms, and performance metrics.

Company Background

- Digi has been connecting the “Internet of Things” — devices, vehicles, equipment and assets – since 1985
- Digi is publicly traded on the NASDAQ stock exchange: DGII
- Headquartered in the Twin Cities of Minnesota, Digi employs over 700 people globally, and has connected over 100 million devices worldwide

As an IoT solutions provider, Digi puts proven technology to work for our customers so they can light up networks and launch new products. Machine connectivity that’s relentlessly reliable, secure, scalable and managed — and always comes through when you need it most. That’s Digi.

Learn more on our [About Digi](#) page.

Contact a Digi expert and get started today

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