

# Securing Reliability

*Network upgrades enhance utility performance*



Utilities



Infrastructure and Network Solutions



Route/Switch Configuration, OSPF, BGP



Field Engineering

## BACKSTORY

A large utility company servicing electricity and natural gas to millions of people over a multi-state region sought a partner to handle complex network migration requirements. With the goal of enhancing the utility network's performance and resiliency to comply with cybersecurity standards, the company needed to upgrade select substations.

## SOLUTION

Our client looked for a partner that understood the complexities of large-scale network design, substation lifecycle, cybersecurity, and access controls. TSG worked with the client to modernize the utility's telecommunications network by converging their Information Technology (IT) and Operational Technology (OT) systems and upgrading routing and switching equipment for hundreds of substation sites over multiple years.

## TSG MANAGED SOLUTIONS

### Solution Development

TSG's solution supported the planning and design of a new network architecture. We proposed a site completion schedule and an IT-OT network migration path that guaranteed dependable performance.

### Building & Scaling Teams

Emphasizing the importance of a smooth and gradual network migration, TSG built a team of project managers and network engineers aligned toward the project's shifting requirements.

### Service Delivery

Mindful of the utility's regulatory requirements, our responsive deliverables-based approach allowed us to stay engaged at scale with the client.

## Project Outcomes

We partnered with the client to execute an IT-OT network migration with significant efficiency increases while guaranteeing the performance of vital electrical systems.

Our network migration delivery plan allowed our client to meet their overall business objectives and cybersecurity compliance.

TSG leveraged industry expertise to help perform highly reliable upgrades while ensuring security against growing cyber threats.

By following practical migration paths, TSG helped modernize the utility network to be more secure, scalable, and resilient.