

## Global fiber infrastructure transformation

### Introduction

A leading global technology corporation with a vast international presence needed to transform how they manage their extensive fiber network infrastructure. They required a solution that could scale to support their worldwide operations while maintaining the highest standards of network reliability.

### The challenge

Managing a global fiber network across multiple regions presented significant complexities. Multiple existing systems for network data management led to inconsistencies in documentation, making it challenging to maintain standardized practices across regions.

### The problem

Without a unified system for fiber documentation and inventory management, tracking network utilization and planning for capacity needs became increasingly complex. As the network continued to expand globally, existing systems faced growing challenges in managing detailed strand-level connectivity across their extensive infrastructure.

### The solution

As part of their commitment to modernize network management practices globally, the company selected 3-GIS as their technology partner, implementing 3-GIS | Web, 3-GIS | Admin, and APIs. The implementation is being rolled out region by region, allowing for careful adoption and optimization of the system across their global operations. During testing, 3-GIS demonstrated superior performance in tracing large data center cables, a critical requirement for their infrastructure.

### Why 3-GIS as the solution?

- > Enterprise scalability
- > Comprehensive fiber tracking
- > System integration capabilities
- > Performance at scale
- > Configurable platform

By implementing 3-GIS | Network Solutions, the organization can:

- > Improve network uptime through enhanced visibility and management capabilities
- > Track and analyze network utilization more effectively
- > Manage complex network connectivity at scale
- > Access and update network data in real-time
- > Standardize fiber documentation practices across all global regions
- > Streamline operations through automated processes
- > Build custom solutions around the core platform to support diverse business units

This modern, web-based approach provides the scalability and performance needed to manage their extensive global infrastructure while enabling future growth and integration capabilities.

## About 3-GIS

3-GIS, an SSP Innovations company, empowers companies to achieve better operating efficiencies and to meet the challenges of building increasingly complex fiber networks. 3-GIS uses a data driven approach based on geospatial reference, rules-based calculations, mobility, and web-based services to revolutionize the potential and realize the market opportunities of fiber assets. Our fully-configurable solutions allow users to plan, design, and manage networks; provide real-time data that is used enterprise-wide; and enable automation for faster service activation, in one seamless system. The company has development, services, product support, and operational staff in five countries challenging the status quo every day to improve the economic visibility of fiber networks; creating a more connected, informed, and lighted world.



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