



3-GIS
BY SSP INNOVATIONS



**AN ELECTRICITY
POWERHOUSE**

Project spotlight

Out with the old, in with the transformative

The starting point

Faced with the need to expand their fiber network by 3,500 miles within six years, the largest government-owned provider of electricity for large industrial customers, federal facilities, and local power companies in the United States released an RFP to find a new system that would allow the efficient management and operation of their large-scale fiber network consisting of optical ground wire (OPGW) running across transmission lines.

The requirements

The utility managed their extensive fiber network within a legacy, thick-client system that hindered their ability to provide end-to-end support for their network. To fulfill their operational requirements and facilitate widespread user adoption, they sought a robust and advanced fiber network management system accompanied by a comprehensive set of services including data migration, implementation, training, and system integrations.

Software capabilities

- > GIS mapping
- > Troubleshooting reports
- > Create & maintain splice details
- > Planning tools
- > Fiber utilization reports
- > Hardware detail
- > Mobile field tools

Customer insight

- > View assets per customer or contract
- > Select map or text view
- > Customer contact information
- > Configurable fields

Integration needs

- > Esri (ArcGIS)
- > CAD
- > CRM

The decision and implementation

The utility selected 3-GIS to replace their legacy network management system. The initial rollout included 100 Web users and 100 Mobile users. 3-GIS implemented an on-premises solution with three distinct servers dedicated to development, production, and failover; designed to comply with compliance, security, and redundancy requirements.



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In the first phase, 10,384 records were migrated to the 3-GIS data model, including splices, fiber panels, fiber cables, leased fibers, structure polygons, and more. This phase encompassed multiple stages, beginning with a data model workshop involving a comprehensive assessment of data sources and field mapping and ending with an internal quality control process with validation checks.

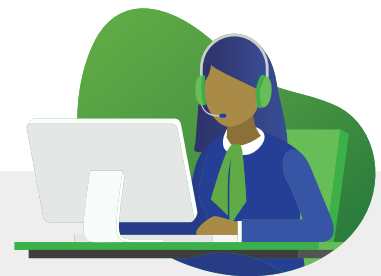
To further expedite the new system transition and to facilitate adoption, 3-GIS provided extensive, instructor-led training onsite for 100 users over 5 days for Web, Mobile, and Admin; a thorough knowledge base with system specifications and end-user documentation; and comprehensive online training modules accessible to users 24/7.

The result

3-GIS software is now used to manage the complexities of the utility's fiber network, as well as enhance their network operations. 3-GIS brought automation to their planning process, facilitated troubleshooting and emergency restoration, provided impact analyses, identified capacity constraints, and offered a variety of support services including contract management.

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, design 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.



**Contact us to learn
how 3-GIS can
support your fiber
projects.**

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