

3-GIS

Paving the way for full-fiber coverage in Germany

Introduction

GasLINE has been one of the leading fiber-optic cable infrastructure providers for more than 25 years. It has a nationwide network covering over 32,000 km. This includes broadband access to communities and customer-driven expansion of mobile 5G networks. GasLINE has network interconnections to cross-regional fiber-optic infrastructures in cities (e.g. with city and regional carriers) and to network operators in neighboring countries. The network topology includes telecommunication centers (telehouses and PoPs), the relevant Internet exchange nodes and centers of the ICT and media industry.



Challenge

Supporting federal and state objectives to expand fiber access across Germany, GasLINE is working to deploy an additional 5,500 km of fiber in the span of 3 years.

Problem

With increasing demand, growing infrastructure, and a commitment to quality and reliability, GasLINE requires a solution which supports eliminating inefficiencies in workflow continuity, mitigating the high risk of errors due to manual interfaces, resolving deficient data transparency to stakeholders, and enabling better data quality checks and easy reporting.

Why 3-GIS

- GIS-first
- Collaborative
- Scalable
- Mobile
- Single system of record
- Easy reporting

CUSTOMER SPOTLIGHT | GASLINE

Solution

Needing a GIS-first, design and management fiber solution, GasLINE selected 3-GIS | Web to support its network expansion. 3-GIS | Web allows GasLINE to incorporate Esri™ ArcGIS data and other data layers including CAD drawings.

With 3-GIS | Web deployed, GasLINE will be able to implement workflows to:

- Maximize use of duct infrastructure and dark fiber
- Understand utilization, capacity, and availability of fiber assets
- Allow controlled access to all relevant stakeholders, including construction crew and third-party vendors
- Eliminate data redundancy and provide on-demand, up-to-date reporting

"An integral part of achieving some ambitious objectives in growing our infrastructure over the next few years involves implementing a network management system that can connect all stakeholders in real-time with accurate data and robust easy-to-use reporting tools."

- Dr. Andreas Kaiser. Manager IT Transformation & Development

About 3-GIS

3-GIS gives telecom and utility companies the visibility and confidence to build increasingly complex networks and operate them efficiently. Our data-driven approach combines geospatial reference, rules-based calculations, mobility, and web-based services to unlock the full market potential of network assets.

Fully configurable and purpose-built for telecom and utility operations, our solutions plan, design, and manage networks, deliver real-time data enterprise-wide, and automate service activation in one seamless system. Teams make better decisions, reduce costs, and move faster. Development, design services, product support, and operational staff in five countries challenge the status quo.