

# Paving the way for full-fibre coverage in Germany

## Introduction

GasLINE has been one of the leading fibre-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 fibre-optic infrastructures in cities (e.g. with city and regional carriers) and to network operators in neighbouring countries. The network topology includes telecommunication centres (telehouses and PoPs), the relevant Internet exchange nodes and centres of the ICT and media industry.

## The challenge

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

## The 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.

## The solution

Needing a GIS-first, design and management fibre 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.

### Why 3-GIS as the solution?

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

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

- > Maximise use of duct infrastructure and dark fibre
- > Understand utilisation, capacity, and availability of fibre 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 at GasLINE GmbH & Co. KG

## 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 fibre networks. 3-GIS uses a data driven approach based on geospatial reference, rules-based calculations, mobility, and web-based services to revolutionise the potential and realise the market opportunities of fibre 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 perational staff in five countries challenging the status quo every day to improve the economic visibility of fibre networks; creating a more connected, informed, and lighted world.



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

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