Modernizing network management for enhanced reliability

Introduction

Tbaytel, a municipally owned telecommunications company, is the largest independently owned telecommunications provider in Canada. Operating in Thunder Bay, Ontario since 1902, Tbaytel is committed to delivering reliable telecommunications services to their community and surrounding areas.

The problem

While they had completed most of their copper to fiber conversion, a lack of integrated workflows meant redundant data entry and limited visibility across their expanding network. Managing a complex fiber network with outdated tools presented substantial obstacles for Tbaytel.

The challenge

Tbaytel's disconnected systems and aging infrastructure presented numerous operational challenges. Using Ericsson Network Engineer (ENE) in a very limited capacity—primarily to post as-built information—while separately managing their network through CAD systems created a fragmented approach that resulted in reduced operational stability and extended downtimes that impacted important projects.

Why 3-GIS as the solution?

> ENE expertise and migration experience

> System configurability

> Integration capabilities

> Network visibility

> Better utilization management

The solution

Tbaytel implemented 3-GIS | Web, 3-GIS | Admin, and 3-GIS | Mobile for their on-premises deployment. The most critical deliverable though: the data migration from ENE to 3-GIS. This transition provides Tbaytel with comprehensive network visibility and enables better management of their fiber infrastructure.
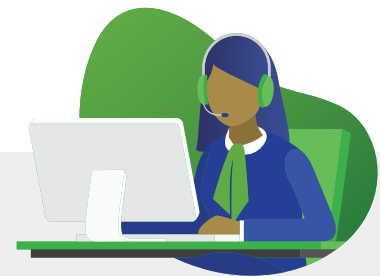
By implementing 3-GIS | Network Solutions, Tbaytel is positioned to:

> Maximize network investment returns through enhanced visibility

> Reduce operational risks by transitioning from end-of-life tools

> Streamline workflows and eliminate double data entry

> Improve system stability and reliability for critical projects

> Support network capacity planning and utilization management

> Establish a foundation for future integration opportunities

> Support their ongoing GIS transformation with configurable solutions

This transition provides Tbaytel with the stability and modern infrastructure needed to support their copper-to-fiber conversion while enabling more efficient network operations across their coverage map.

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

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