Expanding fiber accessibiity in Oregon

Introduction

Emerald Broadband is a rapidly expanding public benefit internet provider servicing the cities of Eugene, Springfield, Westfir, and Oakridge in Lane County, Oregon. Founded in 2016, Emerald Broadband was created to bring high speed internet service to underserved communities and to provide that service at the lowest possible cost to its customers.

The challenge

Emerald Broadband acquired a coax company in 2019 with the intent of overbuilding and replacing the network with fiber. New and acquired network data were stored in disparate systems, making it difficult to locate assets. Moreover, Emerald Broadband uses unique building strategies to expand their network to neighboring cities.

The problem

The team began storing their network data through KML files but found this process lacked querying, consistent labeling, and other necessary capabilities for design and management. Without a strong searchable database, Emerald Broadband sought a network asset management system that would allow everyone in the organization to understand their network status and work uniformly.

The solution

Emerald Broadband selected 3-GIS | Web as their system of choice to maintain current network assets and to plan and design future network expansions. With more accurate network data in one searchable system of record, Emerald Broadband is now able to document the connectivity of the fiber strands and share information with stakeholders who do not have a background in mapping.

Why 3-GIS as the solution?

> Adaptability

> Accessibility

> Configurability

> Single system of record

> Comprehensive mapping

The results

Now equipped with a single view of their network data, the business is anticipating their first month reaching 100 installs. Additionally, the team has achieved:

> Doubled install rates without increasing crew size

> An accessible database for all employees

> Reduced cost of network construction with least cost routing

> Better field operations

"3-GIS gives us the flexibility to map our network the way that we are building it, not the way that 9/10 people are building it. Of all the tools we have used, 3-GIS has been the most critical piece in tying everything together."

- Evan Brander-McCaffrey, GIS Manager at Emerald Broadband

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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