

## TELECOMMUNICATIONS

**User**

Atlantic Engineering Group, a full-service FTTH design-and-build firm with nearly 20 years' experience

**Partner**

3-GIS, an award-winning Esri Gold Tier partner since 2006

**Challenge**

Quickly replace a legacy fiber-to-the-home design process with a modern, cost-efficient solution that seamlessly scales to meet changing client workload needs

**Solution**

ArcGIS® Platform, 3-GIS Suite

**Results**

Atlantic Engineering Group can flexibly scale design and engineering capacities to changing customer needs, while real-time dashboards give supervisors greater visibility into workflow accountability.

# A FIBER SOLUTION THAT SCALES

Atlantic Engineering Group (AEG) designs and constructs fiber-to-the-home (FTTH) networks. With offices across the United States and additional contracted overseas designers, AEG manages FTTH projects of various sizes and with constantly changing schedules. In the past, AEG met client needs by using paper, pen, and manual drafting processes. Tasks such as calculating bills of construction needed to be repeated with each design change. These design changes often required repeating the entire workflow and processing the related information up to four times.

## The Challenge

Recently AEG took on a large FTTH project with highly variable workload requirements. AEG realized its legacy system was not flexible enough to scale up and then down as the project required. AEG needed to deploy a new fiber management system (FMS) quickly, without disrupting current projects or limiting the ability to pursue new ones. The FMS needed to provide project scalability. It also had to avoid the start-up costs associated with purchasing and installing hardware and software for new subcontracted designers and engineers. AEG wanted a digital solution that eliminated costly and cumbersome manual efforts for transcribing designs from paper into a drafting system. Going digital would automate and streamline the design process by eliminating the manual editing of hundreds of files to reflect a single design change.

