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CASE STUDY
Quality Automation

Client Requirement

A Denver, Colorado based Multiple System Operator needed a solution to make quality checks on the Bentley drafting files they were receiving in huge number from contractors. The MSO needed to store, analyze, and retrieve massive amounts of hybrid fiber coaxial outside plant (OSP) data.

Challenge:

Automated quality control checks and procedures maintain the accuracy and consistency of data used for critical applications such as serviceability analysis, customer provisioning, inventory tracking, facility and equipment maintenance, and network planning. Even though the specs were universal, checking if the data reposted on the latest platform was consistent was the main challenge.

IMMCO Approach & Solution:

IMMCO developed an automated Quality Control Toolkit that works seamlessly with Bentley Expert Designer Communications. The Toolkit takes advantage of Bentley's relational database storage model so OSP data analysis can be quickly performed against enterprise-wide databases. The toolkit improves accuracy and data consistency, saves time, and reduces costs. A typical analysis now takes about 24 minutes instead of one week.

IMMCO has engineered its own data validation and data collection tools for Bentley Comms, which enabled IMMCO to create this quality automation toolkit for this MSO. The ROI is that the tool helps collect information or locate errors 30% faster than normal methods or known previous efforts. Thus the combination of highly refined processes and tools to locate errors helps speed up the QC process and cuts project timelines by nearly 50%. This has made IMMCO more competitive in this tough economy.

Project Status:

The automation tool has been adapted enterprise-wide and is being used on every shipment the MSO receives from its Contractors.