

A BRIDGE CONNECTING PEOPLE GLOBALLY

Mapping network asset inventory for
enhanced telecom operations.

The client is a leading provider
of telecommunication services in the US.



CHALLENGES

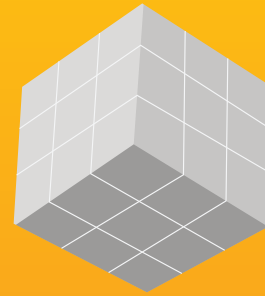
The client had to manage an inventory of network assets which included the following challenges:

Create, update and maintain network inventory for outside and inside plant (OSP/ISP) mapping

Plan, design, and load fiber-related jobs based on the fiber network

Map terrain/clutter data for radio frequency (RF) planning

Manage several integrated components such as engineering design systems, capacity planning tools, data viewing/storage and interfaces to other client's enterprise systems



SOLUTIONS

The Infosys GIS domain experts delivered the below solution:

- ▶ Provided real-time integration of network assets that helped optimize network management and planning, including fiber capacity management
- ▶ Deployed inventory manager (IM) trace viewer, a geo spatial analysis tool that helps in
 - Viewing geographical content of fiber inventory
 - Enabling a series of tasks to be performed on data facets within the data repository
- ▶ Utilized capacity management modules within IM to analyze and review demand, capacity, and future exhaustion of a specific fiber optic cable segment, including strand information such as assignment status and bandwidth consumption
- ▶ Leveraged various robust geographic information system (GIS) mapping tools to increase operational awareness

BENEFITS

The Infosys GIS team delivered the following outcomes for the client:



- ▶ Enabled last mile connectivity
- ▶ Improved technician productivity
- ▶ Increased operational savings
- ▶ Improved asset management and planning
- ▶ Enhanced fiber optic data viewing and reporting



\$3.1M
Operational savings



80k
Fleet assets



20%
Improvement in TAT

For more information, contact infosysbpm@infosys.com

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