Network Planning System

The Client: BTI Systems

Client Challenge: The client is a vendor of optical and Ethernet networking products. They required development of a Network Planning Tool

Outcome: Over the course of 10 months, the Solana team developed a custom Network Planning Tool. The tool automated network planning, design and work order generation.

Solution: Solana built the tool from ground-up including specification, design, implementation, testing and delivery of a fully functional system. Via a GUI-based drag and drop paradigm, the tool facilitates the layout, design and validation of different network topologies with strong user satisfaction at the heart of its efforts. Leveraging its expertise in developing GUI-driven network and security management technology, Solana was able to develop this custom software solution for its client. With this tool, network designers could layout and specify the connectivity of an entire optical network consisting of switches, amplifiers and other optical elements. In addition, the tool embedded complicated link budget calculations and algorithms to verify if the parameters input by the network designer would result in a viable network.