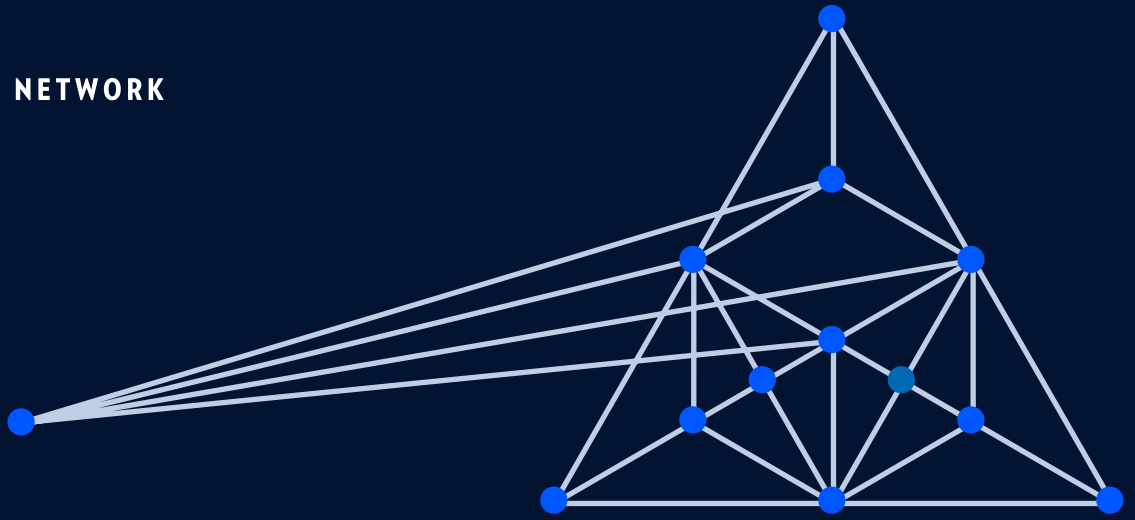


MUSE™ NETWORK PLANNER



NETWORK PLANNING INTEGRATED WITH LIFECYCLE AUTOMATION

Muse Network Planner is a next-generation planning tool for packet and optical networks, with forward-looking abilities for multilayer optimization. State-of-the-art algorithms optimize on user-selectable factors including cost, latency, and OSNR, and can telescope-in to plan selected portions of the network critically. Sophisticated simulation testing analyzes design robustness, such as how to handle CIRs in the event of failures. As a part of ECI's Muse Lifecycle Automation suite, Network Planner works intimately with other Muse applications to maximize the network's service delivery capabilities and availability, using a minimum set of network resources.

Layers 0-3

packet-optical optimization

Advanced algorithms

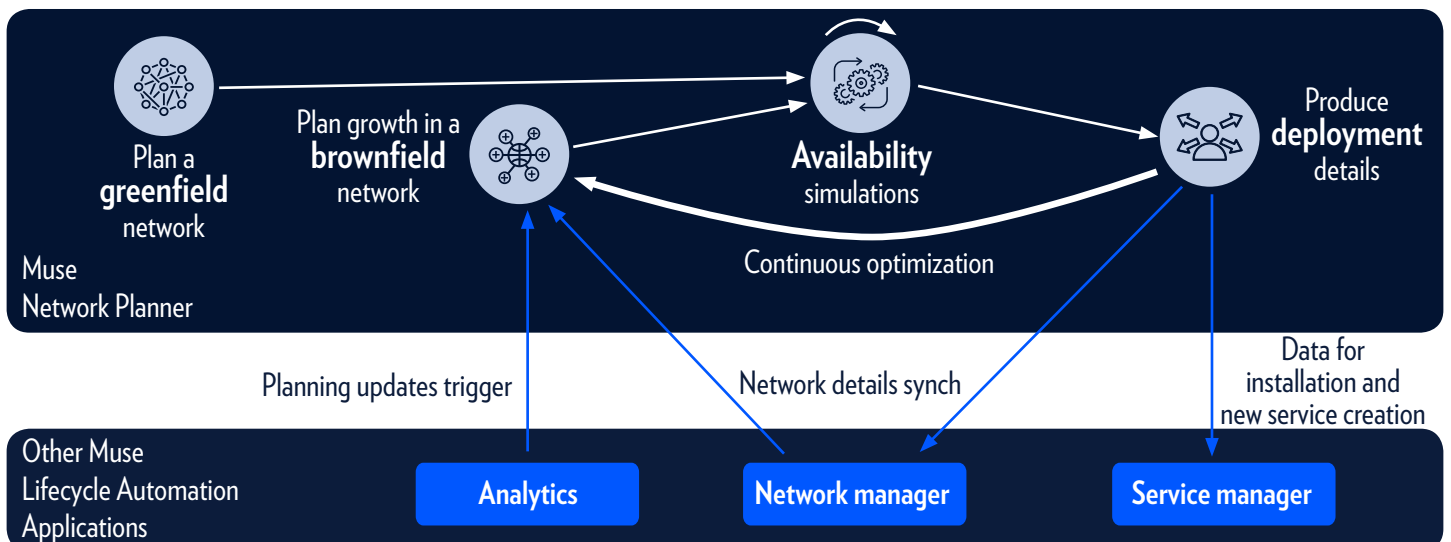
link with actual network data

Simulation testing

against failure conditions

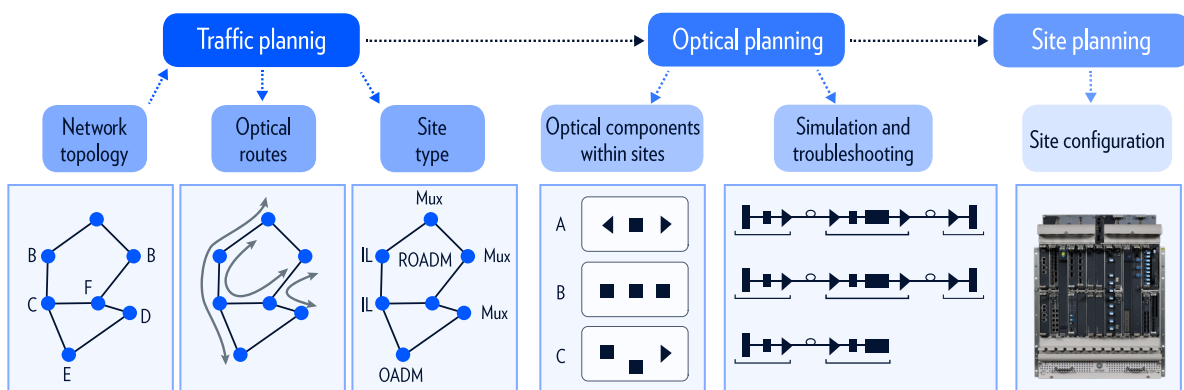
Plug-and-play

for fast and error-free installation



Muse Network Planner follows a systemic process to deliver comprehensive, optimized, and robust network designs that synchronize closely with actual network deployments. All steps are conducted via a friendly multi-window GUI that allows the operator to see and control what is happening at all times.

<p>STEP 1: Gather planning input</p>	<ul style="list-style-type: none"> Physical network topology, technologies, interfaces, and fiber types Packet service types and traffic matrix, with CIR/EIR bandwidth requirements, and growth forecast Explicit route overrides, including SRLG constraints Global and explicit protection and restoration requirements Optimization goals: minimum ports, bandwidth distribution, route diversity, general and premium service latency, OSNR margins
<p>STEP 2: Create packet and optical network plans</p>	<ul style="list-style-type: none"> Optimize based on customer preferences: <ul style="list-style-type: none"> Bulk global, bulk group, and premium (one-by-one) levels Weighting among optimization goals (cost, latency, minimum hops, etc.) Produce high-level packet and optical infrastructure plans <ul style="list-style-type: none"> Service and transmission performance at initial and end-of-life conditions Power budgets
<p>STEP 3: Optimize using availability simulations</p>	<ul style="list-style-type: none"> Determine how the planned network behaves under traffic stress or network failure conditions <ul style="list-style-type: none"> Identify non-compliances and points of vulnerability Change preferences and weightings, add any needed explicit inputs, and iterate plan until goals are met
<p>STEP 4: Build site plans</p>	<ul style="list-style-type: none"> Configure network sites at the equipment level Produce detailed layouts and BOMs, specifying racks, platforms, cards, modules, and spares, plus management software Export to XML files for fast plug-and-play installation
<p>STEP 5: Rapid installation</p>	<ul style="list-style-type: none"> Use XML files to install and configure equipment on site, via Muse Network Manager Avoid manual processes, ensuring fast and error-free equipment turn-up
<p>STEP 6: Comprehensive reports</p>	<ul style="list-style-type: none"> Generate a wide range of reports for use by planners, project managers, supply chain, network engineering, field engineering, and operations Includes varied types of BOM (ERP, power, inventory), installation, and topology reports



Contact us to find out how Muse Network Planner designs flawless packet-optical networks

ABOUT ECI



ECI is a global provider of ELASTIC network solutions to CSPs, critical industries, and data center operators. With the advent of 5G, IoT, and smart everything, traffic demands are increasing dramatically, and network operators must make smart choices as they evolve their infrastructure. ECI's Elastic Services Platform leverages our programmable packet and optical networking solutions, along with our service-driven software suite and virtualization capabilities, to provide a robust yet flexible solution for any application. ECI solutions are tailored for the needs of today, yet flexible enough to meet the challenges of tomorrow. For more information, visit us at www.ecitele.com