



Engineering, Furnishing, Installation & Test (EFI&T)

Highest Quality Intelligent Bandwidth Management Deployments

Service Highlights

Your goal is to achieve the highest quality network deployment in the shortest possible timeframe. Our EFI&T teams use a proven and repeatable methodology to do just that. Sycamore Engineering, Furnishing, Installation and Test professionals have installed and commissioned some of the world's largest intelligent optically switched networks – on schedule and within budget.

Our EFI&T teams possess telecommunications and data networking knowledge, extensive project management skills, familiarity with large network operations, and unmatched optical network deployment experience. A global network of select partners and highly scalable resources augments Sycamore's in-house expertise.

Whether you choose full deployment services or consulting assistance and on-site support, we will help get you to your network goals quickly and cost-effectively. Leveraging our EFI&T services ensures that Sycamore products are installed exactly to our Engineering specifications, which include commissioning, troubleshooting, and verifying the end-to-end performance of our equipment in your network.

Service Benefits

Under the guidance of dedicated project managers and field engineers, our EFI&T professionals maintain the integrity of existing network architectures, minimize disruption to existing services, and shorten deployment lead times. Their work ensures your network deployment or expansion project ends with seamless traffic cutovers and rapid provisioning of enhanced service offerings.

Sycamore's experience with the distinct phases involved in introducing intelligent optics to an existing network – and deep understanding of intelligent optical switches, software, and optical mesh architectures – translates to your highly available network, primed for long-term growth.

From design to documentation, our efficient EFI&T planning and execution:

- Converts your network vision into a successful deployment
- Protects the integrity of your existing networks and services
- Assists your project personnel and augments internal processes
- Ensures ongoing reliability and high network availability
- Accelerates your time-to-revenue and return on investment

Features and Benefits

- Unmatched expertise and experience with intelligent optical switching
- Global, scalable infrastructure delivers support anytime, anywhere
- Dedicated project management, from site prep to final documentation
- ISO 9001:2000 registered, repeatable methodologies ensure high quality
- Faster deployment and technology integration, shorter time-to-revenue

Service Components

Sycamore Networks EFI&T services are your assurance of the highest quality intelligent optical switching implementation, with capabilities and components ranging from project engineering and consultation to full installation, ready-for-service testing, and commissioning.

EFI&T Deliverables

Typical steps in the EFI&T process include:

Engineering Services

- In-depth site surveys of customer facilities for project readiness
- Labor services quote based on customized needs and project scope
- Detailed Installation Specification and Test Specification for each site
- Bill of Materials (BOM) for installation
- Quote for purchase of installation materials
- Full set of project drawings and as-built documents after project completion

Installation Services

- Review and verification of Project Engineering Installation Specification
- Detailed on-site inventory of Sycamore products and installation materials, per the site BOM and Installation Specification
- Installation of Sycamore products and associated Installation Related Materials (IRM), per the Installation Specification, Sycamore recommendations, and the customer's standards
- Installation Completion documents to customer
- Red-lined (corrected) drawings for Project Engineering as-built documents

Installation Materials Furnishing

- BOM equipment procurement, per customer purchase orders
- Delivery of BOM materials to appropriate warehouse facilities
- Staging and inventory of installation material into field-deployable site kits
- Logistics of deploying all installation material to the project sites

SYCAMORE NETWORKS SERVICES AND SUPPORT

A worldwide network of experienced professionals supports Sycamore Networks customers at every phase of the network operations lifecycle, from initial design, installation, and training to ongoing maintenance and capacity planning. Our in-house experts and select service partners have earned a reputation for excellence from some of the world's largest carriers. For intelligent optical switching and network migration deployments, Sycamore is uniquely qualified to meet the expectations of top tier customers. Our expertise and experience are your assurance of consistently successful deployments, high network availability, and outstanding customer service.

To learn more about our comprehensive portfolio of support services, please call 978-250-3480 or visit our web site at www.sycamorenet.com.

Test Services

- Review and verification of Project Engineering Test Specification
- Commissioning of Sycamore equipment per Sycamore specifications and the customer's standards
- Troubleshooting and repair or replacement of defective system components
- Verification and implementation of proper timing and telemetry configurations
- Delivery of Sycamore equipment in a ready-for-service state
- Verification of end-to-end performance of Sycamore equipment within a customer network
- Test documentation and as-built packages

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Sycamore Networks, Inc. (NASDAQ: SCMR) is a leading provider of intelligent bandwidth management solutions for fixed line and mobile network operators worldwide. From multiservice access networks to the optical core, Sycamore products enable network operators to lower overall network costs, increase operational efficiencies, and rapidly deploy new revenue-generating services.

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