Engineering & Installation Services



A complete solution for equipment engineering and installation.

Lucent experts deliver innovative solutions that help you leverage your network investment, reduce risk and deploy new technologies efficiently and effectively.

Overview

Engineering & Installation Services provide the technical expertise and resources you need for your network equipment. To provide the most cost-effective solution, our engineers analyze, identify and document your detailed hardware and software specifications and help determine an optimal configuration for maximizing traffic capacity, trunking, routing and charging for your multivendor equipment. We also assess and collect information about your on-site structural and equipment conditions and develop a plan to help ensure that your system hardware is installed correctly. Once your equipment and job are engineered, we install and test your network equipment helping to ensure that it is functioning as engineered and specified. Our installation technicians can also install any site material, such as overhead framework, cable racking and more, to further support the placement of your main network equipment.

Utilizing state-of-the-art tools and technology and highly skilled engineers and installation technicians, we deploy your network equipment and help ensure the timely and complete implementation of your wireline and mobility network solutions. With our technical experts, we can rapidly build or expand your network, help manage the complexity of implementing new technologies, reduce operational expenses and enable your staff to focus on the core aspects of your business rather than on infrastructure details. Backed by years of experience planning, designing and implementing complex networks around the world, we deliver a complete, flexible solution tailored to meet your specific needs.

Benefits

- Enable you to focus on generating revenue from your network, not on deploying it, as our engineers use their experience and expertise to plan, design, implement and manage projects of any size around the world
- Reduce operational expenses of recruiting, training, and retaining skilled engineers and installation technicians
- Reduce your capital expenses by identifying and developing the most cost-effective network configuration and use of office space
- Rapidly build/expand your network by turning products into working systems with the capability to deploy projects in multiple markets/regions and in parallel
- Minimize your capital investments by avoiding the purchase of installation tools, test equipment, test software and spares

Features

- Expertise and capability to deploy multitechnology, multivendor wireline and mobility networks
- Support for all Lucent and many multivendor products
- Skills and service solutions specifically targeted at supporting all major technologies including switching, wireless, transport/optical networking, power and data
- Unique delivery capability, unmatched in the industry, with a large global workforce of more than 3,500 engineers and installation technicians and a complete network of strategic partners
- High quality ISO-certified processes and procedures
- Robust support structure of proven methods and procedures, mechanized tools, professional training, 24x7 technical support and access to Bell Labs

Lucent Technologies
Bell Labs Innovations

Engineering Services

Equipment Engineering

- Basic Equipment Engineering
- Frame Engineering
- Grounding Upgrades
- Hot Slide
- Rapid Material Deployment
- Site Engineering

Design Engineering

- Collocation Planning
- Floor Space Planning
- MDF Planning
- Network Design Order
- Network Protection
- Power Design Order
- Service Recovery Alternatives
- TEO Prep

Field Engineering

- Engineering Consultation
- Frame Reservation
- Frame Survey
- Grounding Survey
- On-Site Damage Assessment
- Power Verification
- Site Survey

Records

- Discrepancy Reporting/Correction
- Site Records

Installation Services

Staging

Equipment Installation

- Basic Equipment Installation
- Disaster Recovery/Service Restoration Trailers
- Equipment Removal
- Equipment Testing
- Installation Supervision
- Installation Technical Support
- Site Preparation
- Site Supplemental Installation

Test & Turn-Up

Lucent Worldwide Services Advantage

Lucent Worldwide Services has more than 12,000 experienced and highly skilled technical professionals dedicated to developing, deploying, operating and maintaining global networks. Our proven track record of successful networks is powered by Bell Labs innovations and our end-to-end, comprehensive portfolio of professional, deployment, maintenance and managed services. Our unsurpassed suite of solutions can help reduce operating expense, leverage capital expense and grow revenue - helping you make your network more profitable throughout its lifecycle.

To learn more about our comprehensive portfolio of Engineering & Installation Services, please contact your Lucent Technologies Sales Representative or visit our web site at www.lucent.com.

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