Lucent Worldwide Services
Engineering & Installation



Leverage network investments, reduce expenses and deploy new technologies quickly and efficiently with superior execution and expert implementation of your network equipment.

Benefits

- Focus on revenue generation, not network deployment
- Rapidly build/expand your network
- Reduce operational expenses and minimize capital investments

Lucent Technologies
Bell Labs Innovations

Today's complex business challenges require a greater level of support. You need proven solutions with the flexibililty to meet your specific business needs. Lucent Worldwide Services Engineering & Installation Services provide a total solution to help leverage your network investment, reduce expenses and deploy new technologies efficiently and effectively.

Begin generating revenue from your network more quickly

We provide the technical expertise and resources you need to engineer and install your network equipment proficiently and professionally. Our experts enable you to focus on deploying new services that generate revenue from your network. We can help you begin to generate revenue sooner by turning your assets into working systems and speeding deployment time using our vast experience in building networks and our ability to handle ambitious schedules. You can leverage our experience and expertise to plan, design, implement and manage projects of any size around the world.



Our Engineering & Installation Services are available globally: Asia/Pacific and China (APAC); Caribbean and Latin America (CALA); Europe; Middle East and Africa (MEA); North America (U.S. and Canada)

Expand your network expediently and effectively

Our large global work force, with more than 3,000 engineers and installation technicians and a complete network of strategic partners, enables us to manage and implement projects of any size, deploy multiple markets/regions in parallel and handle ambitious schedules.

Reduce capital and operating expenses

Avoid the cost of staffing, training and retaining a skilled technical staff to engineer and implement your network. Our dedicated team of engineers and field technicians are knowledgeable and fully equipped experts capable of turning products into working systems quickly and efficiently.

Our engineers can help reduce your capital expenses by identifying the most cost-effective network configuration and use of office space. We 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. When our technicians install your network equipment, we help minimize your capital investments by enabling you to avoid the purchase of installation tools, test equipment, test software and spares.

We feature a complete infrastructure of ISO-certified engineers,field experienced technicians and a complete network of strategic partners.



Reduce the complexity of deploying your network solution

By utilizing our Engineering & Installation Services, you receive a high level of support from a work force that is skilled in all major technologies and has vast experience building both wireline and mobility networks. Our work force has extensive experience and proven capabilities implementing multivendor solutions and our installation technicians, on average, have over 16 years experience to rely on.

Our team of experts is backed by a robust support structure with proven ISO-certified methods and procedures, mechanized tools, professional training, 24x7 technical support and access to Bell Labs. We can also help reduce risk and protect your network investment with proven disaster recovery capabilities that enable our staff to respond and deliver like no one else, which is why service providers depend on Lucent when it really counts.

Engineering Services

Equipment Engineering

To help you achieve optimal network performance, our engineers help ensure that the basic equipment for your correct footprint hardware is configured and properly ordered to meet your network performance specifications. We create hardware and software configurations, specifications and drawings that satisfy your requests and document distributing frame element requirements. We provide the engineering for initial frame placements and identify options for growth and replacement. Our experts also include specifications and support for the re-location of your in-service equipment and any potential grounding upgrades that may be required.

Design Engineering

Experienced engineers analyze your network needs and create a list of requirements based on your specific thresholds, traffic capacities, routing patterns and power requirements. Our design experts take into consideration all elements of planning, from floor space to collocation, to develop a plan to meet your specific equipment and network requirements.

Leverage our resources and expertise as we have the capability and experience to focus on your total network.



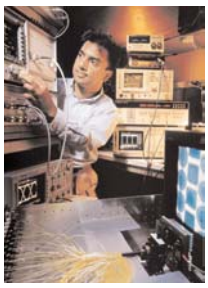
Field Engineering

Our Field Engineering staff provide the expert consultation, analysis and interface support you need to properly aid in resolving current customer issues and help ensure a timely deployment. Our experts assess your on-site structural and equipment conditions and provide interface support during your equipment deployments. We collect site specific data to create proper equipment configurations, validate office records, identify space constraints, record unique office characteristics and develop a detailed material list to help you properly plan for future growth.

Records

Rely on our experienced staff to manage and maintain the sometimes cumbersome, detailed records of your sites and equipment. Our records will accurately document the physical placement and configuration of your specified equipment. Depending on your needs, we can create your site records, update existing records or provide ongoing management. We also provide discrepancy reports and corrections.

Installation Services



Staging

At a state-of-the-art Lucent staging facility, we'll perform a complete inventory, inspection, assembly, configuration and testing of your network equipment, prior to deployment. Proactive staging of your equipment at a professional facility helps ensure that configuration problems are addressed prior to on-site installation helping to reduce risks and possible delays associated with new equipment installation. Upon completion, we'll deliver a fully configured, tested and ready-for-installation system directly to your site.

Equipment Installation

Our field staff provides the resources you need to properly prepare your site for the main footprint equipment. Once the site is ready, we install your equipment, test the hardware components to make sure they are working properly and perform any supplemental work that is unique to your specific site location, configuration, or working requirements. We also disconnect and remove your obsolete or unused equipment providing you with a full circle solution that handles every aspect of equipment installation.

Our unique delivery capability is unmatched in the industry with a vast amount of multivendor, multitechnology experience and a pool of skilled resources.



Test and Turn-Up

Following the physical installation of your equipment, our technicians provide on-site configuration, testing, and network connectivity of your equipment to verify that the installed equipment recognizes local network interfaces and is working properly.

Features

- Expertise and capability to deploy multitechnology, multivendor wireline and mobility networks
- Support for all Lucent and many multivendor products
- Skills and service solutions targeted at all major technologies including data, power, switching, wireless and transport/optical networking
- Unique delivery capability, unmatched in the industry, with a large, global work force of more than 3,000 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 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.

Engineering Services

Equipment Engineering

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

Field Engineering

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

Design Engineering

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

Records

- Discrepancy Reporting/Correction
- Site Records

Installation Services

Staging

Equipment Installation

- Basic Equipment Installation
- Disaster Recovery/Service Restoration Trailers
- Equipment Removal
- Site Preparation
- Site Supplemental Installation

Test & Turn-Up

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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