Service Fact Sheet

Network Modernization Services

Transform your business and performance by updating your legacy network

Build Longevity into Your Network
For many service providers, meeting subscribers’ expectations and retaining customer loyalty are impeded by an outdated network that was not designed for today’s technology and business environment.

It’s a fact that older network infrastructure generates less revenue per square foot than up-to-date technology. Costly power bills, high failure rates, stranded bandwidth, and wasted capital all erode the health of your network and business. Legacy equipment limits your ability to respond to customer demand, reducing business opportunities.

With the support of one of our expert project teams, you can build competitive strength, flexibility and longevity into your network. We’ll work with you to modernize your network, accelerate your time to market, and achieve lasting business benefits.

Partnership Helps Overcome the Challenges
The challenges and risks of network modernization are much easier to overcome if you don’t go it alone. By working with the right partner, you ensure a successful outcome that achieves your goals—on time, within budget, and without disrupting traffic.

Fujitsu has performed hundreds of network modernization projects for wireless and landline service providers, MSOs, utilities, and state and local governments. Fujitsu Network Modernization Services draw upon our extensive expertise in both legacy and next-generation network environments. We offer a comprehensive, start-to-finish evaluation, planning and implementation solution for updating power-hungry legacy equipment. Our team will help you find the best approaches to increase network performance and scalability, lower operational costs, and prepare for next-generation services growth.

A Unique Combination of Expertise and Customer Focus
The Fujitsu network modernization team begins by developing two essential prerequisites for success: intimate familiarity with your network and a shared understanding of your business needs and objectives. We work with you to define the scope of the project, ensuring the most appropriate method for migration.

By supplying dedicated resources to optimize or modernize your network, our experts free up your team to focus on critical business needs. Our certified project managers oversee the project from start to finish and work hand-in-hand with your team to ensure smooth execution. Because we are highly skilled in managing live-traffic migration and complex modernization projects, we also minimize risks such as delays and budget overruns, and we ensure deployment without customer-affecting service disruption.

Network Modernization Benefits
- Supports new bandwidth-intensive services
- Improves network performance, reliability and efficiency
- Reduces footprint
- Makes room for evolution to next-generation service offerings
- Decreases operations and maintenance costs
- Lowers power consumption
- Opens up opportunities to grow customer base and revenue
The Right Partner to Take your Network Forward

Phased Migration Project Methodology Ensures Quality
By using a tried-and-true phased project methodology, we ensure consistently high quality and eliminate much of the risk and error potential that often accompanies large, complex deployment projects. You can trust in our extensive experience and expertise with live traffic migration to deliver a successful result.

- **Engineering Analysis** – Expert evaluation of your network modernization goals, challenges, and technical considerations
- **Strategy Selection** – Present recommended strategies and options for modernization
- **Network Discovery** – Comprehensive audits of the network, central office, topology, inventory, databases and circuit types
- **Network Analysis** – Detailed reports of the findings, with detailed recommendations and plans for the selected migration strategy
- **Project Planning** – Create site-specific method of procedure (MOP) and engineering cut sheets
- **Furnish Materials** – Identify and deliver materials for traffic migration
- **Engineer, Furnish and Install** – Configure and install new equipment
- **Test and Turn-Up** – Verify that new equipment is configured and functioning correctly
- **Network Migration** – Implementation of migration strategy, establishing new connections, ensuring live traffic continues without disruption, and updating records
- **Inventory System Update** – Document all changes in the inventory system
- **Equipment Removal** – Decommissioning and proper removal of legacy equipment

A Vendor-Agnostic Approach
By taking a vendor-agnostic approach, we can help you make the best technology selections for your needs. Since we also have extensive experience working on both the next-generation technologies being deployed and the legacy systems being replaced, we’re uniquely able to provide the perspective and leadership your project needs.

A Flexible Process that Delivers Results
Our overall project process is flexible and oriented to your specific needs, as well as the demands of live traffic migration. We take a holistic approach to the network that includes switches, DCS, ECUs, ADMs, OSS and microwave radios. Our expertise encompasses diverse network configurations including ROADM, SONET, legacy TDM, SS7, E911 diversity, and DS0 grooming.

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