

# SERVICES FOR DEEP FIBER ACCESS



## HIGH DEFINITION: MAKE IT HAPPEN

The demand for high-speed broadband access has exploded in the past decade. Most broadband access networks today have been built to support best-effort internet services, with very modest requirements in terms of capacity, delay and availability. As a consequence, the present challenge is to redesign and upgrade these networks for the delivery of high-end content, such as high-definition TV and video

services. In order to provide end users with such offerings, the network needs to reside on a scalable and future-proof technology, enabling high capacity and quality of service. The Ericsson solution includes a comprehensive portfolio of network infrastructure and content applications, as well as the complete range of services, from planning to operating Deep Fiber Access networks.



## ADVISE

With technology evolving rapidly, an increasing number of players are entering the market and users are demanding even more from their communications experience. Understanding market and business evolution is essential for operators and service providers. This means being able to identify user needs and address them through business-model evolution, service-management innovation and technology strategies.

The Ericsson Consulting organization uses its deep understanding of the communication industry as a whole to guide customers through the key decisions and implementations needed to bring about change that has a lasting impact on their business.

The broad portfolio of services covers all areas of today's complex business with an emphasis on driving business success through reduced cost, increased revenue and improved user satisfaction.

## DESIGN

A vital part of any fiber deployment project is the planning and design phase, during which an optimized solution is delivered according to the business plan. In order to reduce environmental impact and costs, existing infrastructure should be evaluated and used whenever possible.

Ericsson network designs are always cost-optimized, carrier-class graded and prepared for future needs and developments.

The Ericsson Network Design offering includes the provisioning of an optimized network architecture and a detailed design fulfilling your technical and business requirements.

## BUILD

Civil works are often a significant component of a new infrastructure project. Therefore, Ericsson focuses on innovative solutions to minimize costs for civil works in terms of new products and optimized design, as well as taking an active part in defining new deployment methods and tools. These services include site layout, instructions for infrastructure installation and "as-built" documentation.

## INTEGRATE

With Ericsson integration services, operators gain the expertise to ensure that any new infrastructure works seamlessly within the existing network. The services are adapted to each operator's unique environment, whether the infrastructure is Ericsson or multi-vendor supplied. Ericsson verifies that every connection, inter-working relationship, mediation need, payload and traffic management flow meets the operator's expectations.

## OPTIMIZE

The Ericsson Broadband Access Network Optimization service increases the provisioning capabilities to maximize utilization and link stability. The service is available for xDSL access, optical access and Ethernet/ATM aggregation. Starting with a detailed audit, the

service establishes an accurate picture of the network status.

The audit result is then used to identify the key areas for performance improvement that should be addressed in order to reach the business objectives. Once this is approved, Ericsson develops an effective implementation plan for the optimization.



## MANAGING THE COMPLETE PROJECT

The establishment of a Deep Fiber Access network can be compared with that of a construction project, where the most important parts lie in skillful project management and planning of resources.

Having gained a wealth of experience from infrastructure deployments, Ericsson has the expertise required for all aspects of such project management. Our ability to manage all interfaces regardless of technology and complexity, and to be a single point of contact, is crucial in today's communications environment and makes us the perfect full turnkey provider of Deep Fiber Access networks.

## MANAGED SERVICES

Ericsson has the capability to manage the network's complete life cycle. Our managed services partnerships focus on improving operational efficiency and decreasing expenditure, helping operators improve profitability. At the same time, letting Ericsson take care of the network and service operations means the operator frees up time and resources.

This service can be tailored to the operator's requirements, including migration to new technologies, management of legacy networks or entrance into new markets. As the leading supplier of managed services, with nearly two decades of experience, Ericsson is best positioned to manage multi-vendor and multi-technology environments.