



Next generation access is the basic condition for offering new broadband services

Are you thinking about upgrading your existing networks? Do you want your customers to offer state-of-the-art services? Do you want to be ahead of your competitors? Don't you know what is technically possible and how it is affordable? Are you looking for a strong and experienced partner?

NEXT GENERATION ACCESS (NGA)



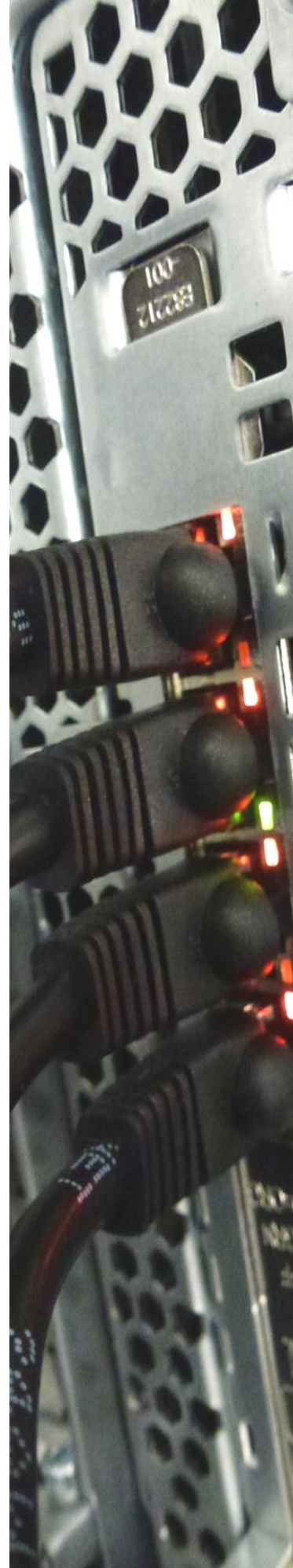
With its offer to operators and owners of electronic communication networks, SITEL offers comprehensive services in the whole range of activities:

PROPOSAL AND DESIGN OF NGA NETWORKS

- ➔ „Feasibility study“ of the building of NGA networks with regard to the possibilities of using subsidies (after final determination of grant conditions)
- ➔ technical consultancy for construction of NGA networks
- ➔ processing project documentation to obtain zoning decree, the area approval, declaration on construction or building permit, including the provision of final approval
- ➔ processing complete project documentation for construction
- ➔ preparing as-built documentation after completion of the network construction
- ➔ updating the as-built documentation after changes made to network configuration (for example placement of new optical connectors, connection points, induced moving, change of optical fibre scheme...) - management of complete operational documentation
- ➔ statements on location of existing networks in the investment construction of other entities
- ➔ design solutions for further network development and expansion
- ➔ optimization of interconnection within electronic communication networks (for example proposal of optical fibres with regard to the concept of these networks)

CONSTRUCTION, MAINTENANCE AND SERVICE OF NETWORKS

- ➔ preparation, design and construction of optical and metallic networks including delivery of individual components (engineering, realization, groundworks, storing and installation of protective elements and cables, self-contained cables, micro-tubular systems, cable blowing, complete assembly, prescribed tests and network measurements, network and low-voltage equipment installation)
- ➔ complex measurement of optical networks - measurement of attenuation by direct method and OTDR (850 nm, 1310 nm, 1383 nm, 1490 nm, 1550 nm, 1625 nm), measurement of polarizing and chromatic mode dispersion, distributed measurement of polarizing mode dispersion according to the requirements of operators...
- ➔ preventive maintenance of networks including preventive maintenance of backup power supplies, non-communication devices and prophylactic measurement of all network components
- ➔ proposal and implementation of support systems (air conditioning, power and security systems...)
- ➔ emergency services in case of network failure condition
- ➔ monitoring networks with remote surveillance capability
- ➔ emergency assistance 24 /7
- ➔ optional management of stock of spare parts for maintenance and service



- ➔ administration of documentation, statements to networks, negotiation of conditions in case of interference into a third party property, assessment on project documentation to new construction projects
- ➔ technical surveillance during activities in protected zones
- ➔ geodetic works (project documentation, identification, lay-out, construction alignment, processing of the geodetic documentation, geometric plans and others)
- ➔ project management
- ➔ rent and sale of measuring and testing equipment and production equipment for fixed and wireless electronic communication networks