

Your WebGIS for Telco use



Customer requirements

As a Telco provider you have to plan capacities and coverage, need to identify suitable locations for switchboxes/relay, have to coordinate maintenance activities and conduct market research for prioritising future investments. Planning efforts can be streamlined by using centralized data acquisition of and with additional spatial information. Use the time saved here for things that will make a difference: Optimization of the network, customer care & satisfaction and identifying new business opportunities.

Using WebOffice you will screen and edit your data in a browser based GUI that is easy to use. At your fingertips a customizable suite of productivity tools will assist you in any task: Capture data in a central data repository, publish geo-services or offer results as maps, plots, elaborate reports. Share what the teams in your enterprise need. It is only a few steps to define a project including a role-based user model, process-oriented tasks, a tight security-framework and individually configurable clients for your use in the office, on public websites or on a workers mobile device.

Features and Workflows



Create and maintain locational data of Infrastructure/technical assets

- Location-aware, attributed and mappable assets (e.g. switchboxes, lines, leases, real estate, customers, product availability)
- Link additional data (e.g. wiring schemes, pdf-documents, photos) to your assets
- Make use of other public available maps



Your infrastructure at a glance – An all-in information system

- Instantly find all resources by location
- Use WebOffice as a real-time information-retrieval-system
- Display lines/cables/trenches/assets as schematic plans (non or semi-locational)
- Search through all attributes of all layers with the configurable full-text-search



Schedule and document maintenance

- Analyze network use, map it, create meaningful statistics and plan activities
- Visualize outages in real-time, trace network elements
- Estimate outreach, find all objects meeting certain criteria within a given perimeter
- Trigger activities for affected people/elements/areas



Conduct market analysis, plan expansions

- Analyze market penetration and target areas
- Provide and use demographic and economic base data for market analysis purposes
- Calculate distance to backbone
- Use maps and spatial tools to improve your broadband-strategy, fibre-management or backhaul-network development



Fine-grained control of user-rights for editing, viewing, querying

- Detailed control of access and read/write/create rights (e.g. via LDAP-Integration)
- Editor: Edit addresses, Technician: Maintain information system, Marketing: Customer typing and history, sales points, products



Field work mobile solution and enhanced routing for enterprises

- Data entry of attributes and editing of geometry via mobile touchscreen device
- Immediate database update (e.g. switch replaced) by field crew after outage repair
- Document objects with photos. Upload them and retrieve them via the map
- Offer extended ad-hoc routing



Use extended print/plot features

- Plot series: Select an extent that will result in a series of pages with the same scale
- Index plot: Maintain scale for linear features across multiple pages



Create first-class reports

- Make use of reports to chronicle data, measurements, records, damages, ...
- Document complaints/repeated outages
- Use predefined report templates and adjust object-labels according to the current need by using multiline free labeling



Integrate third party systems

- Use existing APIs to link to other software packages (e.g. BI, external databases, technical software like SCADA)