

Product Brief: spatialOFFLINE

Mobilize the Communications Field Workforce with spatialOFFLINE®

spatialOFFLINE® is SPATIALinfo's mobile application for workers who spend their time in the field constructing, installing, and maintaining communications networks.

Bring Network Data to the Mobile Users' Laptop Computer

spatialOFFLINE allows field workers to view maps, manage data, and edit network elements while disconnected from the network and then conveniently update the central repository when reconnected. Intelligent synchronization architecture keeps data current and accurate both in the asset inventory and on users' local computers as they create markups and as-built changes in the field and later upload them to the central repository.

Manage Multiple spatialOFFLINE Users

Administrators can manage network inventory across hundreds of remote computers, extracting selected data from the master database and distributing it to spatialOFFLINE clients based on defined region boundaries. Because administrators specify the type of data each user group receives, field workers see only the data they need to work with. A detailed central dashboard streamlines management of license allocation, user access and local data cache for defined user groups, giving administrators confidence that users get the data they need as often as they need it. And for successful synchronization back to the central repository, the application supports all common network types, including Ethernet, Wi-Fi, VPN, 3G, EDGE and air-cards.

View Complete Network Inventories

The easy-to-use spatialOFFLINE client displays full network-asset inventory and landbase information for selected regions, including outside-plant (OSP) cable, HFC, and fiber networks, support structures, sites and inside-plant (ISP) buildings, streets, parcels, CAD layers, MDUs, and equipment annotations. Because data is cached locally, users easily pan and zoom through network maps. Local search tools quickly find any asset in the information model by unique identifier, asset type, map location, or specific attribute.



High-performance mobile solution that effectively manages data accuracy and currency while capturing as-built changes and network updates from the field

Benefits

Accurate, up-to-date inventory data in the field without a network connection.

Reduced errors and reworks, fewer trips back to the office, and more productive time in the field.

Enhanced downstream operations such as serviceability, fault detection, restoration, maintenance, and repair.

Faster location of problem areas with full OTDR trace capabilities.

Improvement in critical field workforce metrics including:

- Lowered mean time to repair (MTTR)
- Priority restoration support

Easily Update Network Elements

With spatialOFFLINE's efficient redline and markup tools, users create field jobs that add, remove, or change any network element contained in the user's selected region. spatialOFFLINE's markup tools simplify even complex tasks like fiber splice management and provide high-level or detailed views of fiber splices, allowing easy recording of changes to the asset inventory for later synchronization with the central repository. The spatialOFFLINE client keeps a convenient list of the user's working field jobs for easy navigation between jobs in progress.

Manage, Splice, and Trace Fiber from the Field

With advanced tracing tools for fiber networks, spatialOFFLINE streamlines analysis, repair, and fault location tasks for the field worker. Detailed views show clear, logical representations of fiber configurations, including individual fiber and usage information on loops, risers, panels, and splice cases. After easily locating and viewing available fibers, users simply drag and drop to create, edit, or remove splice connections. OTDR (optical time domain reflectometer) trace features allow the field worker to select a fiber, choose parameters, and trace segment lengths through an affected fiber network to determine exact problem locations. Intelligent field tools give workers more productive time in the field with fewer errors and reworks and less time spent back at the office.

Experience the Benefits of spatialOFFLINE

spatialOFFLINE is a key component of an efficient and productive mobile communications workforce. By effectively managing data currency and capturing as-built changes and data corrections from the field, spatialOFFLINE reduces errors and reworks, lowers turnaround time, and increases field worker safety.

To find out more about how the spatialOFFLINE solution can improve the efficiency of your mobile workforce, visit www.spatialinfo.com/products or email products@spatialinfo.com.

Hardware Specifications

- **Operating System**

Microsoft Windows 7, Vista or XP SP2

- **Processor**

1.4 GHz single core

- **RAM**

1 GB (Windows XP), 2 GB (Windows Vista / 7)

- **Graphics**

1024 x 768 @ 16-bit

- **Disk**

80 GB, 5400 rpm

- **Network**

802.11g connection to the sync server



spatialOFFLINE® is part of the spatialSUITE line of communications products from SPATIALinfo Inc.