Altion
MAKING OSS WORK

Altion
Fibre Inventory Management System

Altion FIMS is a comprehensive solution to manage inventory for fibre optic networks.

The growing deployment of fibre optic networks means that service providers must be able to plan, design and manage a range of new fibre technologies. **Altion FIMS** is a purpose-built fibre inventory management system to manage the most basic to the most complex fibre optic networks.

Fibre optic networks are the standard choice for core and access networks with most operators. Operators need carrier-grade systems to ensure that these networks can be efficiently planned and managed as they grow in size and complexity.

Many operators have not yet addressed the issue of managing fibre networks. Interim solutions being used include GIS systems, in-house developments and customising legacy inventory systems. These solutions have a number of problems:

- **Not fit for purpose:** Systems that were designed to model detailed geographic information are not useful to fibre network planners who need quick access to information at a fibre or route level.

- **Not scalable:** In-house or ad-hoc tools will not deal with the growing volume and complexity of fibre networks.

- **Not future-proofed:** New technologies such as WDM and FTTH require a strong and focused system roadmap which is only available on purpose-built fibre inventory systems.

Altion FIMS has been designed specifically to support inventory management for optical networks. It allows operators to plan, design and manage fibre optic networks pro-actively and efficiently.

Altion FIMS is a practical and easy to use system with a wide range of powerful features:

- Manage all fibres, fibre sections and routes for core networks and FTTC (Fibre to the Cabinet)
- Model fibre bundles, fibres, joint boxes and schema, splices, ODF's and NGF (Next Generation Frames)
- Manage capacity and traffic issues pro-actively
- Display routes, alternate routes and customer routes geographically with zoom-in capability down to street level
- Integrate with inventory management systems
- Generate detailed work-requests

With a strong technology roadmap, including xWDM, FTTc and FTTh, **Altion FIMS** meets and exceeds operator requirements for fibre Inventory Management regardless of network size or complexity.

Altion FIMS brings automation, usability and scalability to optical networks inventory management.

With an easy to use graphical interface and flexible modelling options, **Altion FIMS** allows network planners and other operations staff to quickly and efficiently manage their optical networks.

Manage fibre inventory and model the network

- Manage all fibres, fibre sections and routes (including all links in-between)
- Display full fibre network and routes graphically and geographically
- Use FIMS to Model:
  - Fibre physical infrastructure
  - All core fibres and fibres to customer premises
  - FTTC (Fibre to the cabinet) down to 1:10,000 street level mapping
  - Fibre joint boxes and jointing schema
  - ODF's including NGF (Next Generation Frames) in graphical and tabular display including available points for fibre cross-connects
- Update 'As-is' network status by planners
- Generate fully detailed work-requests
- Generate straight line diagrams for cable routes
- Generate straight line diagrams for customer routes

Manage capacity

- Find fibre routes to match capacity demand
- Manage fibre reservations
- Trace routes through the network and isolate routes per customer if needed
- Identify alternate routing for priority circuits during outages
- Manage capacity issues at route and section level

A purpose-built and highly usable system

- Use either graphical or forms-based interfaces
- View all network nodes geographically on map overlay
- Support major mapping standards
- Integrate easily with inventory management systems

Altion FIMS allows operators to plan, design and manage their optical inventory from the most basic to the most complex network.

about Altion

Altion has been providing Operational Systems Support (OSS) products and services for almost 20 years. We are the OSS integrator for some of the largest mobile and fixed line operators in the world and the partner of choice for industry leading OSS inventory solutions. We make OSS work.

Altion supply a range of products and services to the telecoms industry including **Altion DataSync, Altion NIS** (Network Inventory System), **Altion MNPS** (Mobile Network Parameter System) and **Altion Services.   Altion** is a solution partner working with Alcatel-Lucent, Amdocs OSS, Celona, Comptel(AXIOSS), Sidonis and TierOne OSS.

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