Geospatial Network Inventory

FTTH network – city deployment
Part of FTTH network in Cracow city. Operator’s network inventory consists of:
- civil infrastructure (duct network, manholes, poles, etc.)
- optical fibre cables inside ducts
- network nodes with FTTH devices
- multi dwelling buildings connected to network
- cable fibers connected with devices located in network nodes
Cable fibers are connected in Connection Manager module.
Resource forms accessible directly from map

- Each network resource has dedicated form showing its business attributes and relations.
Network resources has corresponding 3D CAD view showing their internal structure.
Forms with business relations

Resource forms showing relations with other resources and entities.

Rack in Central office

Device in Node

Cable in Duct network
Fiber paths view

Connected fibers establish fiber paths with full information about their route, attenuation and amount of fibers in the same relation.

Fiber paths view

Details of fiber path

Fiber tracks and their segments
Automatically created serving areas assigning demand points to nodes.
Network resources usage

Automatically calculated network resource usage indicators: fibers in cable, node capacity

- Fiber usage indicator
- Fiber node usage indicator
- Customer installations
Radio ranges

Automatically calculated radio device ranges.
Technical documentation generator

Automatically generated technical documentation: fiber splicing schema

- Rack in Central Office
- Optical cables
- Nodes
- MDU fiber splicing schema
Technical documentation generator

Automatically generated technical documentation: MDU vertical fiber deployment schema

Vertical building view
Optical Internal cable
Devices in node
Technical documentation generator: Automatically generated technical documentation: cable ducting and subducting.
Technical documentation generator

Automatically generated technical documentation: technical drawing of any device, installation guidelines

Central Office

Colour coded rack

Node
Thank you

For more information visit our website

https://ksavinetworkinventory.com

or contact us

gni@softelnet.pl