FTTH design examples
FTTH software solutions and engineering services since 2013.

Software for the engineering of FTTH networks

- High performance
- Based on extensive FTTH project experience
- For initial high-level and detailed low-level designs and implementation
Four dedicated tools

- **ITS-NetDesign**
  - *FTTH design*

- **ITS-NetProject**
  - *Project Management*

- **ITS-NetOptimus**
  - *Network optimisation*

- **ITS-NetID**
  - *Registration*
**Conversion of any input data:**

**Input:** any digital format from any coordinate system

**Direct drawing:** or start from scratch using only AutoCAD (Map3D) and a basemap/geomap

**Custom:** data conversion can be specific to your project only, we can create custom tools for this purpose

**Many automatic functions:**

Data conversion, cable routing, costing, labelling, modelling P2P/ GPON or mix, splitter calculations, automatic schematics, area-statistics, etc…
A real engineering tool:

Add-on for AutoCAD (Map3D) for real network designs:

○ Create any additional drawings for any FTTH project (bridges, permits, specials…)

○ Flexible labelling and fully detailed designs

○ Customisable legends, symbol libraries, FTTH menus

○ Experienced CAD designers can start using NetDesign within minutes

→ Both high and low-level output
Our automatic network design solution.

Creates the highest quality FTTH network-designs by using complex optimisation algorithms within a user friendly graphical interface.

Cost optimised network designs are made in minutes instead of days.

Optimisation parameters:

- Civil costs
- Material costs
- Installation costs
Manual engineering
1 design, based on 1 starting point

ITS-NetOptimus™
All designs, all starting points

Based on the logical grouping of the remaining homes

Based on installation and material costs
FTTH/FTTX network planning software
FTTH/FTTX networks planning software for project:
Preparation, Implementation and Commissioning
Material, Contract and Project management

- Flexible project vision: three project levels with ‘building blocks’
- Total process control, including: purchasing, contractors, progress reports
- Completely customisable and simple to operate, one click BOQ & BOM
Characteristics:

- Full solution for project definition, management, information storage in a controllable environment
- Small or large projects
- Print wizard for reports, easy grouping/filtering of data
- Flexible with prices per project and per contractor
- Quantity reporting
- Project planning
- Progress
- Additional functionality: purchasing, store management, release notes, billing, payments, purchase control
Network registration with easy tree structure and integrated GIS:

- Automatic conversion of all data formats and coordinate systems
- All network details are directly available in multiple views and GIS
- Customisable network building ‘blocks’
- Easy to operate
FTTH design examples

Urban FTTH, The Netherlands
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Urban FTTH, The Netherlands
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FTTH Bangkok, Thailand
FTTH design examples

Urban FTTH, The Netherlands
FTTH design examples

FTTH Riyadh, Saudi Arabia
FTTH design examples

Urban FTTH, The Netherlands
Urban FTTH, The Netherlands
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Urban FTTH, The Netherlands
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Rural FTTH, Scotland

[Map showing FTTH network in Scotland with POPs, farms, and planned installations]
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Rural FTTH, Scotland
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Rural FTTH, Scotland
Rural FTTH, The Netherlands