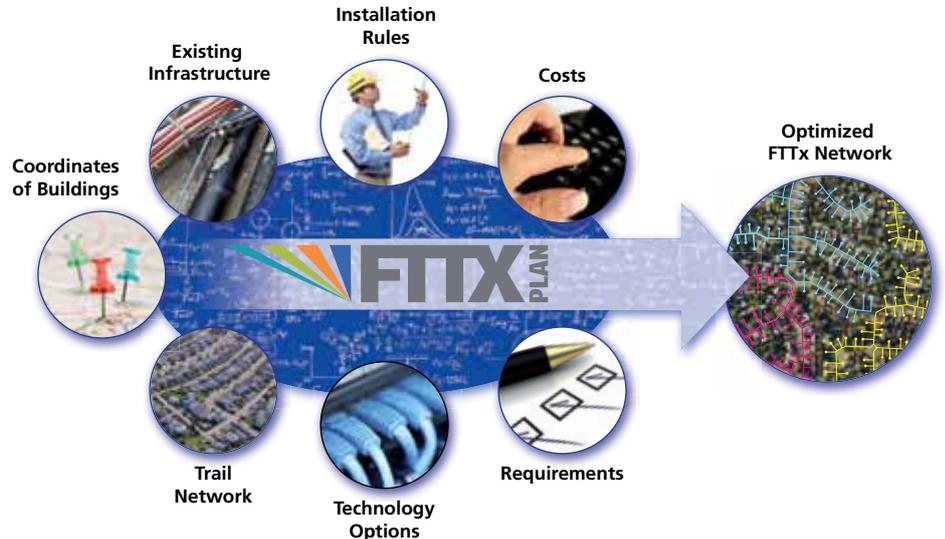


Cost Optimized Planning of FTTx Networks

FTTX-PLAN supports the strategic decision process of introducing FTTx networks into municipalities, public utility companies and regional suppliers. After a one-time process of data collection, cost optimized network plans are created, evaluated and compared with the help of automatic planning processes.



What are the benefits?

Building up a broadband network based on fiber optic cables requires high investment. In order to achieve the best possible positive business development, it is especially important to take the dependencies between the investors and the technical possibilities of the available system technologies into account.

FTTX-PLAN

- Offers a realistic prognosis of the investment
- Reduces uncertainty by targeted planning
- Reduces civil engineering costs through an optimal usage of the existing infrastructure
- Allows the direct comparison of technology and expansion possibilities
- Identifies the most attractive areas in order to reach a high number of customers in the early years

What services are offered?

The FTTX-PLAN consortium, made up of Fraunhofer Heinrich Hertz Institute, atesio, VPIsystems and Bentz Consulting, offers the following services:

Business Case Study

Resilient studies for preparing business-critical decisions are carried out for the concrete geographical and technological requirements of the customer. The following are evaluated: how high the expected investment is; which planning areas are the most profitable in the interplay of investment and turnover expectations; what influence the technological alternatives have on the network design or the investments; and how an existing duct infrastructure can reduce the high civil engineering costs.

High Level Design Study

This study contains a detailed analysis of the alternative expansion concepts for a concrete planning area. The data and analyses of the business case study are planned so concretely that feasible network plans can be created. The investments are realistically forecasted for every possible expansion concept. Master plans are created which contain exact cable and duct plans to maximize the synergy of civil engineering plans by combining duct laying. The data is especially prepared so that it can be imported into detailed planning and documentation tools and used in other applications without delays.

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