



INNOVATIVE SOFTWARE SOLUTION



Planning, documenting, and
managing FTTx networks

SOFTWARE SOLUTION FOR NETWORKS OF TOMORROW

NET is TKI's high-performance software solution for the highly-automated planning, documentation, and management of passive telecommunications infrastructure.

Practice-oriented workflows ensure an intuitive working environment. Meaningful charts and overviews combined with tabular evaluations and reports deliver optimal results.

NET supports your creativity with a high degree of automation, while leaving you plenty of design flexibility thanks to the freely scalable planning and display rules.

The NET Modules are used at all levels of planning, construction, incorporation of red correction, and network documentation, down to and including fiber level and network management.

You can use the NET Modules individually or in combination with each other depending on your requirements.

With NET, you output the data in accordance with the latest "GIS Nebenbestimmungen" for all funding phases.

Adding NET Maps to NET Design, NET Engineering, and NET Operations gives you a solution for providing information, and NET Cloud offers web-based access to your data.

The software solutions are available as rental licenses for integrating NET in your company. As an alternative, we can host software and data for you.

From planning to documentation through to network management

The Modules in the NET product family cover the entire network life cycle of complex telecommunication networks. NET is a high-performance and flexible solution based on Autodesk® AutoCAD® Map 3D; it is used for the efficient planning, documentation, and management of communication networks.

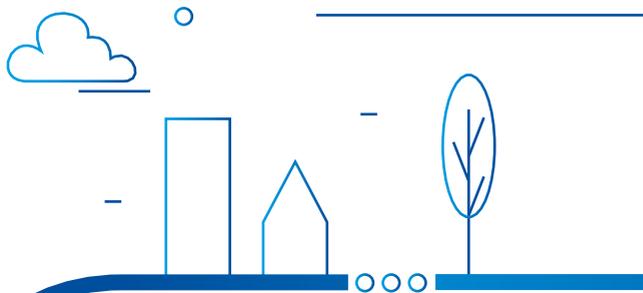
Draft planning & cost estimation

NET Design
NET Cloud



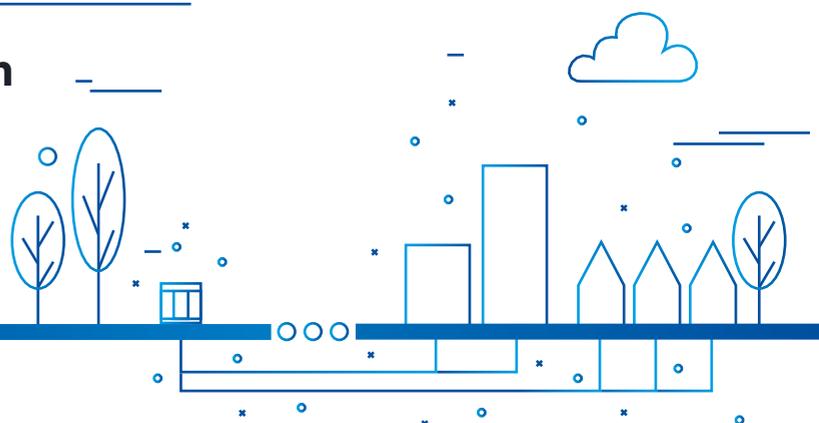
Detailed planning, network construction & documentation

NET Engineering
NET Build
NET Cloud



Network operation & accounting

NET Operations
NET Cloud



Innovative software solutions for effective working

NET Design

NET Design is a comprehensive software package for highly automated planning with freely scalable planning rules based on mathematical optimization algorithms.

The result is a structural plan including an arithmetical, detailed cost overview.



Optimized structural planning

Highly automated, mathematically optimized structural planning saves time and costs



Scalable planning rules

Freely scalable planning rules enable quick comparison of various planning options



High degree of automation

Despite a high degree of automation, the planner can intervene manually at any stage

NET Engineering

With NET Engineering you document route, fiber optic, and duct networks down to the fiber and micro duct level.

NET Engineering allows you to do both document the network and prepare the implementation planning including all necessary documents and reports.



Topological connection

Depiction of all network levels and their topological connections right down to the fiber



Intuitive operation

Practice-oriented workflows ensure intuitive handling



Charts and overviews

Meaningful charts and overviews, tabular evaluations, and reports deliver optimal documents for carrying out construction work

NET Operations

NET Operations supports you in managing your network.

Use the routing to find and reserve free fiber paths and to connect them with services and the related customers. Apply the OTDR measurement to the network and have the fault visualized.



Quick overview

Mapping of the fiber allocation enables a quick overview of the network utilization



Routing

Routing with various criteria supports the network marketing



Visualization of faults

Visualization of faults helps the technicians identify faults on site

Mobile solutions for more flexibility



NET Mobile enables high-performance access to the network data via web.

The networks are available to you on mobile devices via standard web browsers from any location. NET Mobile also allows you to upload documents and photos to your project.



User-defined access

Individually scalable access rights for different user groups



Qualification of data

Defined possibilities for generating, modifying, and qualifying geodata and factual data including photos



Photo documentation

Upload important documents and photos with location and time stamp



NET Build is the innovative tool for the digital representation of the construction phase from the working preparation, project and field management, construction control and monitoring, right through to invoicing and documentation of the services provided.



Manage work orders

Manage and digitally distribute tasks and track construction progress in real time, including material and resource planning, budget control and accounting.



Mobile proof of employment

Construction crews receive their instructions, report the progress of construction work and record their time via app. Construction supervisors approve the construction files on any mobile device.



Integrated ticket system

The construction site and the office work together via a ticket system, the tickets are linked on the map. Photos are stored, comments attached and priorities set in real time.

Our products are individual, flexible, and coordinated

Further information at
www.tki-chemnitz.de



Effective software solutions for planning, documenting, and managing FTTx networks

- Highly-automated structural planning and detailed planning of FTTx networks
- Freely scalable planning rules for comparing the costs of various planning options
- Simple and flexible aggregation of geodata
- Depiction of the telecommunication network right down to the wiring details
- Layout in various degrees of detail depending on scale and content
- Automatic generation of meaningful, flexibly configurable reports, plans, and overviews
- Automatic export of data according to "GIS Nebenbestimmungen" for funded projects
- Effective network management with workflows for routing, wiring, and fault visualization
- Network data can be stored in Oracle, PostgreSQL or SQLite
- TNIM standard interface in xml format for exporting and importing data to and from other data formats

Contact us for further information

TKI mbH

Web www.tki-chemnitz.de

Email tki@tki-chemnitz.de

Phone +49 371 52 333-0

Fax +49 371 52 333-33

Curiestrasse 19

09117 Chemnitz, Germany

Your competent service provider for consultancy, planning, construction, and operations as well as software solutions in the telecommunications field