

NET Engineering is the software solution for the **detailed planning, execution planning, and documentation of telecommunications and fiber optic networks**. Results from structural planning can be transferred to execution

planning and documented in detail down to the fiber and micropipe level. In addition to planning, NET Engineering supports the creation of construction documents and reports as well as subsequent as-built documentation and redlining.

Selected Features and Workflows

Funktionen

- **Network Planning & Documentation:** Georeferenced or schematic planning and documentation of all network levels down to the fiber and micropipe level.
- **Route & Duct Management:** Automatic visualization of route cross-sections and occupancy as well as duct and cable routes.
- **FTTx Planning:** Semi-automated planning of house connections, distribution clusters, and splice connections down to the fiber level. The Help Center includes, among other features, an FTTx planning assistant, house connection generation, and splice planning.
- **Topography & Visualization:** Visualization of buildings, roads, boundaries, and other geographical objects based on individually defined rules.
- **Network Components:** Detailed representation of cabinets, closures, terminations, patch and rack panels, as well as couplings and connections.
- **Editors & Master Data:** Convenient editing of duct and cable networks as well as management of custom models, materials, and master data.
- **Reporting & Plans:** Creation of duct-end, fiber-end, splice, and network path overviews as well as customized plot outputs and execution plans.
- **GIS Requirements:** Preparation and export of network data in accordance with GIS requirements (GIS-NB) for the documentation and transfer of data within funded broadband projects.
- **Import & Export:** Extensive options for importing and exporting data, including GIS-NB, NET Build, and Excel, CSV, Shape, and GeoJSON workflows.

Technical Information

Licensing Model

- **Concurrent User Licenses:** Annual licensing based on the number of simultaneously active users.
- **Additional Licenses:** Required third-party licenses or additional modules such as GIS-NB can be added separately.

Support

- **Telephone hotline:** Mon–Fri, 07:00–17:00 (local time)
- **Ticket system:** 24/7 submission, processing during business hours
- **Available separately:** Extended support, individual project assistance, and custom software modifications

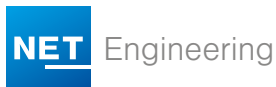
Installation Options

- On-premises or as a hosted seat

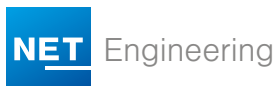
Requirements

- **Client:** AutoCAD Map 3D license
- **Database:** Oracle or PostgreSQL
- **Building Points:** Required only for export in accordance with GIS-NB

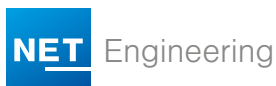
Combination Products



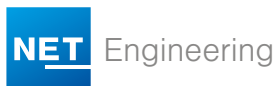
NET Design handles automated structural planning, the results of which are subsequently processed in **NET Engineering** for detailed and execution planning. This transforms the high-level planning into a detailed network model down to the duct, cable, and fiber level.



NET Cloud complements desktop-based planning and documentation with web-based and mobile access to network data. This allows information from the network documentation to be accessed on mobile devices and efficiently updated based on feedback from the field.



The execution planning created in **NET Engineering** can be transferred to **NET Build** for digital construction management. Feedback and redlining data from the construction process can then be used to update the network documentation. The Help Center provides dedicated import/export and redlining workflows for this purpose.



The combination of **NET Engineering** and **NET Operations** connects network documentation with operational network management. Based on the network infrastructure documented in NET Engineering, available fiber paths can be identified, services and customers can be managed, and fiber assignments and network utilization can be analyzed. In addition, NET Operations supports the recording and georeferenced visualization of faults as well as the analysis and billing of services.

Please contact us for further information.

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