

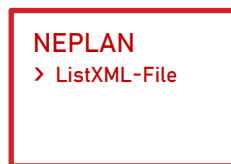
SEPM NEPLAN Interface

Export – Made Simple



Export from Smallworld into NEPLAN®

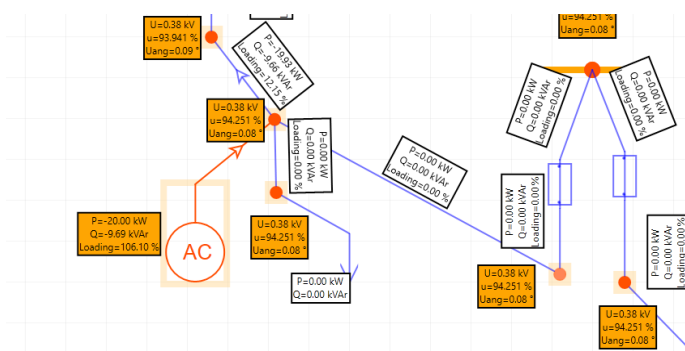
The SEPM NEPLAN interface enables the seamless export of Smallworld data to NEPLAN in order to carry out network calculations in the low and mid-voltage range.



Smallworld GIS

SEPM NEPLAN Export

Transferfile



Example: Smallworld data exported to NEPLAN for load flow simulation

The advantages of the SEPM NEPLAN interface

- **Elimination of switches:**
Objects between the feeder or transformer and the busbar can be stored as logical switches, which enables a greatly simplified representation of the medium-voltage network in NEPLAN.
- **Combination of cables connected by joints:**
Cables lying one behind the other are combined into a single line. The physical data of the cables is still available as line sections associated to the line.
- **Fuses:**
Fuses can be created for house service connections.
- **Preconfigured data export:**
Settings can be saved as configuration and called up in the SEPM „Simple GUI“.
- **User and TechData variables:**
NEPLAN user data and arbitrary technical parameters can be flexibly configured.

Specifications

Export Modes

- Export area & queries: Spatial and alphanumeric queries restrict the set of exported objects.
- Entire database & queries: The whole database is exported (e.g. mid-voltage only).
- Network Tracing: For example, all objects connected to a low voltage bus bar.
- Combined mid/low-voltage: For the mid-voltage and for each distribution station a separate diagram is created.

Applications

- Calculation and approval of new plants or retrofitting projects.
- Simulation of the effects of local generators on the medium-voltage grid.
- Short circuit and load flow calculations
- Selectivity analysis
- Serves as a web solution for interactive assessment of new installations.