Adapted Solutions GmbH · Neefestraße 82 · 09119 Chemnitz · Tel.: +49 371 8365 3040 · Fax: +49 371 8365 3042 · **www.adapted-solutions.com**
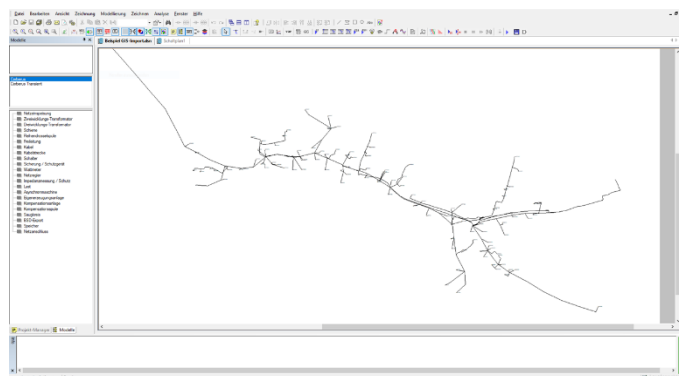
Cerberus - **Version 12.0**

Product Information

The new version 12.0 of the network calculation software **CERBERUS** by **Adapted Solutions** provides a number of powerful new features, including an interface for importing data from geographic information systems (GIS) and a „Layer Manager".

GIS Import Interface

In addition to the common network representation in the schematic diagram, a topographical representation is

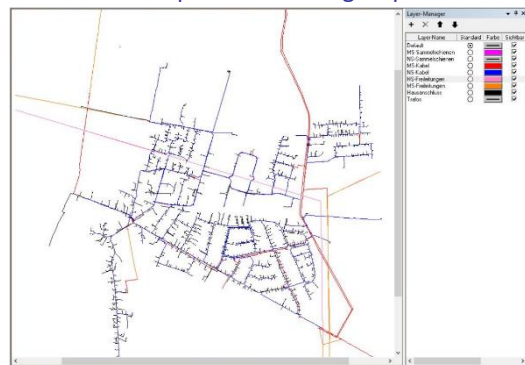now available in **CERBERUS 12.0** after data has been imported from GIS.

The GIS import interface supports common exchange formats (Shape, Stanet) and offers a high degree of flexibility due to its extensive configurability. In addition to the information held in the GIS, other data sources can be included in the import.

The same processing, analysis and automation functions as for a conventional schematic diagram are available for a network generated by means of the GIS data import.

Layer Manager

A "Layer Manager" newly developed for CERBERUS 12.0 allows network components to be grouped. For the elements of a "layer", both their graphic representation (visibility, colour, editability) and their consideration in the analyses can be set. With this feature, functional differentiations (e.g. according to voltage levels) are just as conceivable as classifications according to planning aspects (existing networks, expansion and dismantling schemes). The assignment of network elements to "layers" can be automated or (in the case of GIS data import) configured.

Expanded Functionalities

Further innovations in **CERBERUS 12.0** include the expansion of the reactive power control of the feeder (cos (phi) control according to VDE-AR-4105), the inclusion of switch positions in the cable section model and a newly developed "grid connection point model".

The software has been optimized with regard to the times required for loading, calculating and saving network diagrams. The automation interface integrated in **CERBERUS** has been expanded to include new functions and the possibility of using several CPUs to meet the requirements of time-intensive dimensioning and optimization tasks, and has undergone general optimization.

CERBERUS 12.0 is fully compatible with previous versions. The software supports the operating systems Windows® 7, Windows® 8 and Windows® 10.