



Cerberus - Version 9.0

Product Information

By developing a XML interface in the network calculation software **CERBERUS**, **Adapted Solutions** has built the base for an easy-to-use data exchange with other software. Together with expanded analysis options and a further developed model library, **CERBERUS 9.0** now provides all means for new applications.

XML Interface

In parallel to the graphical definition of the network diagram, **CERBERUS 9.0** does now allow for the import of net lists using the XML standard. All analyses available in **CERBERUS** as well as the functions of the OLE and http interface may be used together with net lists defined by XML texts. This opens the way to incorporate **CERBERUS** into other applications and to realise a fully automated import and export of data.

Models for Smart Grid Components

A model of a voltage regulator has been added to the model library of **CERBERUS**. In a first step, users may choose from data sets for voltage regulators produced by A. Eberle GmbH & Co. KG.

The model of the two-winding transformer has been expanded by new functions to cover the features of voltage regulated local grid transformers. In addition to a basic voltage control, the transformer model in **CERBERUS 9.0** offers the possibility to define the dependency of the voltage reference value on the power flow.

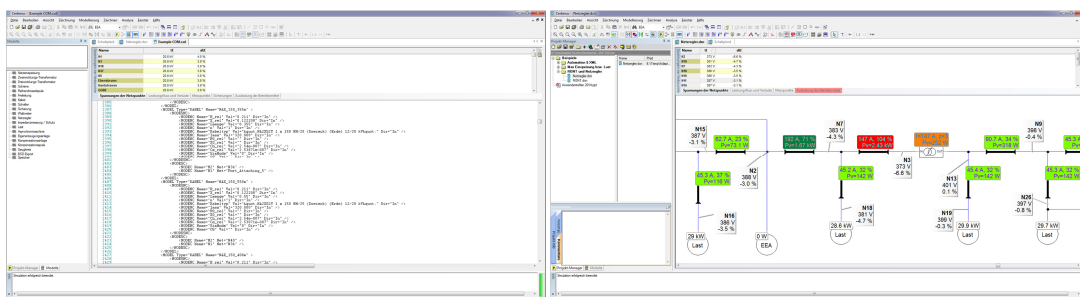
Expanded Analysis Options

A new development for **CERBERUS 9.0** was done to provide a function for calculating the maximum possible load at a network node considering the voltages and component utilisation in the entire grid.

The function for calculating the maximum possible power injection at an network node (already available in the previous version) has been further developed for taking into account the component stress and optionally limiting it to supply islands.

New Functions in VBA Library

CERBERUS comes with a library of VBA functions to be used with Microsoft Excel[®]. This library has been expanded for **CERBERUS 9.0** by functions for network tracing and component documentation.



CERBERUS 9.0 is fully compatible with previous versions. During the installation, user data and settings of the last installed version will be imported. The software supports the operating systems Windows[®] XP, Windows[®] 7 and Windows[®] 8.