



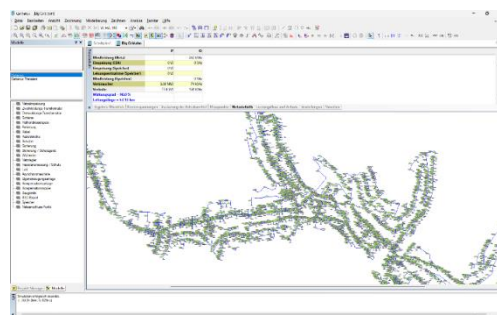
Cerberus - Version 14.0

Product Information

With version 14.0 of the network calculation software **CERBERUS** by Adapted Solutions, the transition to a 64-bit application has been realized. New features enable, among other things, the use of simultaneity functions in load flow calculations and the connection to DIN 18015 to an optimization server.

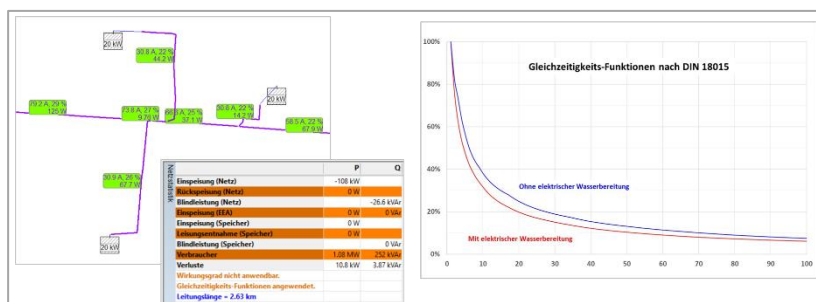
Overcoming Memory Limits

By switching to a 64-bit application, the limits on the maximum size of the network model that previously existed due to the addressable memory area have been removed. In combination with the ability to import data from GIS, it is now also possible to represent very large network areas in **CERBERUS**.



Simultaneity Functions and Load Groups

With the help of "Load Groups", load models can be grouped together and get assigned with so-called "simultaneity functions". This means that in radial networks, the current flows through and the voltage drops across equipment can be adapted to the number of load units supplied.



The use of "simultaneity functions" thus makes it possible to estimate the maximum expected load both at the ends of the network, including the house connection cables, and in the area of the local network stations.

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Link to Optimisation Software

In collaboration with the Fraunhofer Institute for Solar Energy Systems ISE, a link between an optimisation software and **CERBERUS** was implemented. This connection can be used to find measures to overcome limit violations and, after being checked by the user, to incorporate the modifications into the network model. A variety of possible network expansion measures (line reinforcement, additional lines, use of controllable transformers or network controllers, etc.) can be tested.

Functional Extensions

CERBERUS 14 contains a number of functional extensions and detail improvements, including a revised result display and a change of the protocol format to HTML.

CERBERUS 14.0 is fully compatible with previous versions. The software supports the operating systems Windows® 7, Windows® 8, Windows® 10 and Windows® 11.