

primtech – CAD Component Library for high voltage Switchgears

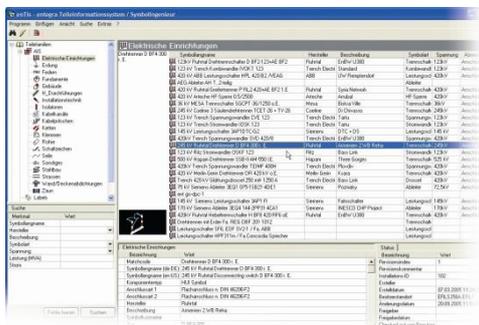
The component library manages component data and CAD models and provides intelligent assembly functions for substation design and engineering.

High Voltage Library Elements

primtech contains more than 2000 symbols specifically for the design of high voltage switchyards. This includes components such as:

- Power switches
- Transformers
- Isolators
- Insulators, chains
- High voltage cables
- High voltage pipes
- Earthing components
- Foundations
- Steel construction
- Clamps
- ...

The library can be easily extended.



Components With and Without Geometry

Both graphical and non-graphical component information can be saved. Terminals are described by the type of connection, type of outlet or by manufacturer information, and may be added simply as a data record and not as an object with geometry. Components such as power switches, insulators or steel construction elements are saved as geometric objects together with a data record.

Components from Outside/Company Identification

The company that created the symbol is saved along with every library component. Only the creator of the symbol is able to modify it. By this means, the data and the geometry is always consistent, even when exchanging data with other companies.

Connecting Points

Components saved in the library have connecting points. These points are the basis for the assembly of the components.

Intelligent snap functions ensure an easy positioning of high voltage switchgear components in the 3D CAD system.



ERP Coupling

By coupling the library to your ERP system (e.g. SAP) you can optimize the consistency of your processes. A standardized XML Interface provides consistent data, in the CAD system as well as in ERP systems at all times.

Detailing Levels / Alternative Representations

Multiple geometries can be saved for each library component, and it is possible to swap between these at any time during editing. You can, for instance, display different switched conditions of your equipment with a few simple mouse clicks, or you can work with simple geometries during design work and switch over to more detailed geometries prior to preparing a drawing.

Database

The component library is based on an Oracle or MS-SQL database, ensuring optimum performance even when the volume of data is very large.

<http://www.primtech.com>