Typified Engineering

The Next Level for Efficient Parameterization in SCADA Systems

Thanks to consistent typification of objects, HIGH-LEIT Engineering enables fast and efficient parameterization of data in SCADA systems. Standard catalogs provide commonly used symbols and template objects from the fields of electricity, gas and water, such as, for instance, busbars, circuit breakers or pumps. The template objects already have a predefined data model with all associated attributes attached to them.

1. Inheritance (Simple)
Based on the template objects, you can quickly and easily create new template objects as well as final objects which inherit all properties of the originals. In this manner, it is possible to create complex data models quickly and with little effort. Even afterwards, you can adjust the attributes and representations of an objects with just a few clicks.

2. Graphic Modeling (Intuitive)
Data modeling is done graphically and via drag-and-drop. However, objects can be just as easily linked topologically within an image. Thanks to this intuitive way of working, users become familiar with object engineering much more quickly.

3. Efficient Parameterization
(Clear and User-Friendly)
The objects' properties are grouped and visualized via editors. Filters enable quick finding and editing of the required information. In addition, it is possible to check and revise object features by means of a table editor. Moreover, plausibility checks are included which help to avoid redundancies and errors.
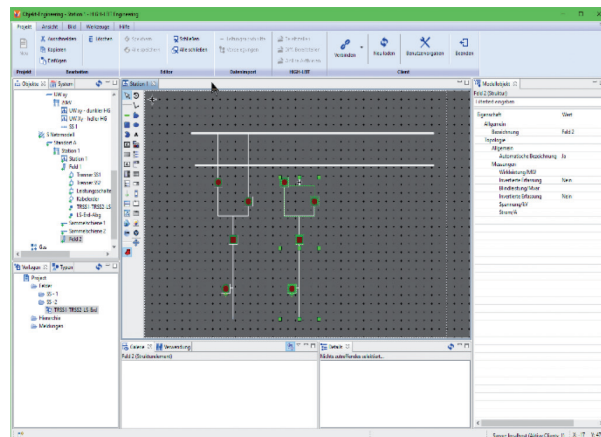
4. Object Creation Through Import (Prepared)

Objects that are to be created, e.g. ACOS 730 SCADA devices or outgoing feeder sections, can be prepared by means of an Excel file. The objects' properties depend on the type of object and set of parameters. By entering the path you indicate the object's position within the object structure. After that you can import all specified objects into the engineering data models.

5. Mass Data Modification (Controlled)

Parameters of objects that cannot be handled as typified objects include, for instance, the technological addresses of signals or the network calculation parameters of loads. You can firstly export these parameters to an Excel file where they can be quickly and easily adjusted and then re-imported into the database.
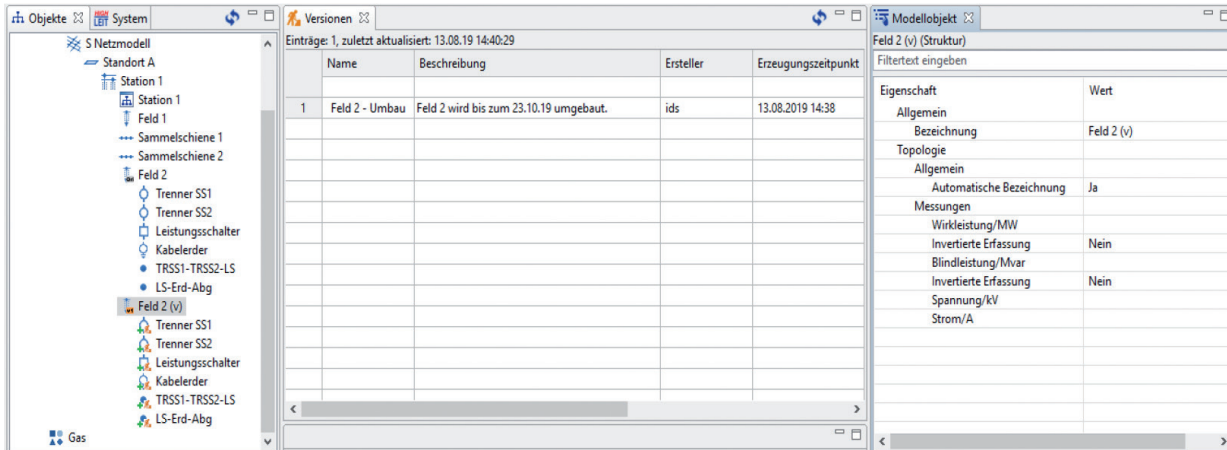
6. Offline Engineering (Secure)

Engineering is done offline and has therefore no direct impact on the database of the live system. This means that you can make modifications without interfering with running operations. The modifications made via HIGH-LEIT Engineering can be activated manually in the live system.

7. Versions (Careful)

To avoid the provision of incomplete object modifications in the live system, you can create an object version of every object. If, for instance, you with to convert a local station, you can make the necessary preparations in the object version - completely without fuss. Only after these modifications have been imported into the original version, the converted station is available in the live system.