

# Facilplus Spatial/E Release Notes 4.0

## Mapper

### New Functionality

- Objects in general can now be placed in stores [6228]
- A new report showing location for protected objects for earthings [7183]
- Cable splitting will now be synchronized between map and schema presentation [9539]
- New objects for street lighting are introduced [9596]
- The transformer report will now display correct number for transformers both in substations and in stores [9614]
- Bus bar disconnectors in multi transformer substations will now be found in the substation card.[9835]
- It is now possible to use files of type "rdw" as background reference files. [9908]
- A warning is now issued when deleting an object with sub objects [9909]
- A new object "Measure equipment" is introduced [10357]
- A new report for locating OH line crossings has been developed [C10560]
- The management of customer specific "Bookmarks" has been improved [11065]
- It is now possible to create a map component of switches located inside substations [11226]
- A new report showing switches where the actual and normal connection state differs is introduced [11375]
- It is now possible to use "Dwg" files as background reference files [11598]
- In the cable pillar card now the fuse size is shown. [11712]
- A coordinate transformer has been introduced [11737]
- A store object has been introduced [11816]

- When searching for "objects without graphic component" now only relevant object types are shown [11977]
- The switch placement function can now rotate the objects in steps of 90 degrees [11877]

### **Bug Fixes**

- The store name is now removed from the transformer when moved from store to substation [9664]
- The cable pillar card will now show data for bays that are ring connected [10484]
- It is now possible to undo the "Cut and paste" operation [10904]
- The "Place pole with armature" function will now attach a parent link between the pole and the joint. [11057]
- It is now possible to delete a transformer in store. [11437]
- The object category "Pole joint" will now create a correct symbol size. [11451]
- It is now possible to create template stations although using only standard mapper [11724]
- The short circuit power units for generators and equivalent sources are now corrected. [11730]
- It is now possible to create a line switch connected between two objects [11881]
- When the "Watch" field is activated on a route another graphic presentation is now possible. [11887]
- The "Related data" function will now show connected objects [11901]
- The cable statistics is now corrected to use the right code lists. [11978]
- The "Street lighting free" cable type will now use the correct code list [12030]
- Create a pole with armatures will now work again [12098]
- It is now again possible to create street lighting armatures as single objects [12175]

# **Analyzer**

## **New Functions**

- The production in generators can now be increased by a percentage value for each generator type.[11291]
- When a calculation trace is executed a list of all project loads found in the network will be displayed.[11804]
- Motor objects can be used and their implication on voltage drop is now reflected by the analyzing program.[12292 ]
- Capacitive no load currents from earth cable networks are now reflected in the calculation program.[11293]
- It is now possible to test the difference regarding alarm generation for 2 result sets. [9212]
- Now also tripping times for the not active protecting device will be displayed when using the parallel schematics. [12020]
- If no light components are found inside an armature object the documented armature load will be used if found in the armature code list.
- When using predefined calculations now all different "In use" states will be included.
- The calculation program can now utilize hour based load values instead of only annual energy if integration with a foreign system for collection of measured values is implemented.
- A number of new reports are added for presentation of protective test cases.
- The auto generated schematics will now stay on the monitor even after a redraw. [8593]
- When an auto generated schema is created without a calculation the conductor type is presented now.[11719]

## **Corrections**

- The presentation of the fuse tripping time when the fuse only exists in the outer end of the section is corrected. [11463]
- The above correction is also done for reports.

- A fault when calculating on cable pillars with ring connectors is corrected. Sometimes the remaining part of the network was excluded after a ring connector.