

# What's New

## SEE Electrical Expert V4R3 Service Pack 5

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## I. New Features

### I.A. SEE Electrical 3D Panel Innovations

#### Integration of the standalone version

The new *SEE Electrical 3D Panel V1R6*, which runs as a standalone software application, is possible to be integrated into the current *SEE Electrical Expert V4R3 SP5*.

#### Automatic creation of sub-nets

When a signal, having a terminal inserted on it in *SEE Electrical Expert*, is loaded in *SEE Electrical 3D Panel*, separate and appropriately named sub-nets are created, corresponding to the respective conditional "parts" into which the signal is divided (by the inserted terminal).

#### Retrieving connection information

*SEE Electrical 3D Panel* is now able to obtain automatically relevant information about a connection by processing the default Equipment Code assigned to it in *SEE Electrical Expert*.

The connection properties that are possible to be retrieved are:

- ✓ Bend Radius
- ✓ Colour
- ✓ Part Number
- ✓ Class
- ✓ Outer Diameter.

### I.B. Automatic Project Backup

#### Created a new plugin for projects auto-backup created

When used (activated), every time a given project is closed, a backup copy of this project is created. If the project is opened and closed several times during a particular day, each previous backup file is overwritten, with the purpose for storing one single project backup per day.

- The syntax of the backup file name is:  
"[project name] - date (English format)"

- The file is stored in a sub-folder of the respective Project folder – its name has the following syntax  
"[Project name] - BACKUP files"

### The new plugin added to the installer

The new Project Auto-backup plugin was added in the installer of the current *SEE Electrical Expert V4R3 Service Pack 5* as a standard plugin, installed via the Custom installation mode.

## I.C. PLC I/O Manager

### Introduced a "shortcut" to the Equipment database

A new button was added in the "Reference" fields of all Property Cards to ensure direct access to the existing database.

Clicking on it calls the **Equipment selection** dialogue, which allows selecting the suitable Equipment Code for the respective PLC element.

### New importation configuration parameters and options

In the dialogue for configuration of the data importation from MS Excel new formulas were added, and two new buttons were introduced:

- Button that calls a dialogue for specifying advanced parameters, and allowing users to:
  - ✓ Define the *SEE Electrical Expert* channel types by specifying relevant letters or words corresponding to them.
  - ✓ Indicate, via a particular option, whether the defined correspondences are to be applied.
  - ✓ Indicate, via an option, whether the channels types that are not defined are to be imported.
  - ✓ Specify the particular line from which the importation is to be started.
- Button that calls a dialogue displaying a preview of the input file to be imported. The dialogue shows highlighted the columns that were specified in the table defining the association between the MS Excel file and the PLC I/O Manager (the correspondence between Excel columns and PLC data).

## I.D. Open Data

Exportation/importation is now possible to be done for all types of attributes (User, System and WD) of the following elements:

- ✓ Symbols
- ✓ Cables
- ✓ Connectors
- ✓ Pins
- ✓ Terminals
- ✓ Slaves
- ✓ Signals.

*\*Notes exportation is unsupported.*

## II. Enhancements in Existing Processes and Features

### II.A. Ameliorated API

The block insertion function was improved so that it is possible different classes and/or different quantities to be assigned/specified for the additive codes – by using a particular syntax.

### II.B. Improved Size Control in the Methods Dialogue

The resizing of the right panes, for the particular methods in the main dialogue, was improved so that when a resizable pane is enlarged manually, its contents is automatically resized in order to completely fit into, i.e. match, the new sizes.

### II.C. Enhanced Channels Update in the PLC I/O Manager

The updating process was ameliorated in a way that channel data is updated even when the Label Format and the Tag Format of the particular channel are different.