What's New

SEE Electrical Expert V4R3 Service Pack 4

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I. New Features

I.A. Possibility for Retrieving Project, Group and Sheet Attributes in the Part Lists and Wiring Lists

Three new metacommands, available for selection in the **List of attributes** dialogue (called via **Tools > Lists > Metacommands > …**) within the Parameter Sheets of types "Parts-List" and "Cabling", enable retrieving Project Attributes, Group Attributes and/or Sheet Attributes in the generated Part Lists and Wiring Lists.

- ▪ Double-clicking on a particular one opens a list of the respective attributes, allowing you to assign to that metacommand the attribute, the values of which you want to be obtained in the Part Lists/Wiring Lists to generate:
  - ✓ **$P** – displays the list of all Project Attributes;
  - ✓ **$GR** – displays the list of all Group Attributes;
  - ✓ **$S** – displays the list of all Sheet Attributes.

I.B. Innovations in the Block Param Editor

New possibilities were added in the **Block Param Editor**:

New attributes for Layout and Synoptic blocks

- ✓ Illustrations Tags are retrieved for the Layout blocks
- ✓ Equipment Locations are retrieved for the Synoptic blocks

Management of Location attributes

- ▪ It is now possible to set values for the User attributes of the Locations.

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II. Enhancements in Existing Processes and Features

II.A.   Treatment of Components Inserted in 3D Panel

The Locations of components, loaded in *SEE Electrical 3D Panel* from *SEE Electrical Expert*, are now appropriately updated.

When, in a 3D Panel sheet (representing a particular location), a component from a different location is loaded, the corresponding symbol in *SEE Electrical Expert* is automatically assigned with the 3D Panel location (where inserted), i.e. the value of its Location attribute is updated accordingly.

Example:
- *In SEE Electrical Expert you have components from two locations (1 & 2).*
- *You create a 3D Panel layout sheet assigned with Location 1.*
- *In the 3D Panel you execute the command for loading a component (a.k.a. symbol) from product.*
  You are allowed to choose in between components for the two locations, e.g.:

1	-K1
1	-K1
2	-K2

- You select to insert in the 3D Panel the component –K2, which is form Location 2.

  When you save your work and return to SEE Electrical Expert, you can see that the location of the respective symbol (i.e. the just loaded component) is set to that of the 3D Panel, in which it was inserted.

II.B.   Insertion and Update of Logical Connectors

The insertion and update of Logical Connectors have been ameliorated so that the category of the Connections is taken into account, and the process runs in the following way:

- Standard pins are inserted on the connections having Category different from "Shielded" (instead of being inserted on all existing connections, irrespective of their category). The inserted Standard pins are assigned with numbers, and in case the number of the connections exceeds the number of pins defined for the particular connector, their insertion stops when the allowed number is reached.

- Shielded pins are inserted on all Connections having "Shielded" Category.

To insert them, the process uses the "Backshell Symbol" specified on the **Define Pins** tab of the **Connector and Pin Association for Insertion** method (if such symbol is not defined no pin is inserted on Shielded Connections).
Numbers are not assigned to the inserted Shielded pins, so the insertion process does not take into account the allowed number of pins for the respective connector – their insertion continues until Shielded pins are inserted on all Shielded Connections.

II.C.   Import DXF / DWG Method

In Advanced mode (activated on the **Process choice** tab of the method), it was made possible to assign a block Attribute to the "$Tag" metacommand.

When, on the **Symbols** tab, "$Tag" is selected in the *"SEE Symbol attributes"* field of the Attribute Equivalence table, the respective *"DXF/DWG Attribute"* field is now accessible.

II.D.   Versions Compatibility

SEE Electrical Expert V4R3 SP4 supports V1R5 Service Pack 1 of *SEE Electrical 3D Panel*.