

# Release Notes

## SEE Electrical Expert V4R3 Service Pack 6 (4.86/A)

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# I. Changes and Enhancements Made in *SEE Electrical Expert V4R3 Service Pack 6 - 4.86/A* Compared to *V4R3 Service Pack 5 - 4.85/C*

## I.A. New Features and Enhancements

### 3D Panel

- Management of cables (and not only wires) for the 3D Panel.

### Terminal Strip and Connector Editor

- In the Connector generation settings, added an option for not displaying the not connected pins and not connected spare pins.

### Electric Data Explorer

- Possible to sort the cables by Label.

### SEE Extraction

- Management of sides on the special splices that have two connection points with a wire going through them.

## I.B. Fixed Issues

### *2D Panel*

<i>Ticket ID: 5507</i>	Incorrect attribute position when modifying the equipment code of an illustration.
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### *Cables*

<i>Ticket ID: 6241</i>	Gauge turns empty when the cable is saved.
<i>Ticket ID: 4546</i>	Update of the wire list deletes the connective device.

**Configurator**

<i>Ticket ID: 7148</i>	PDM Connect not visible in the plugins table within the <i>SEE Electrical Expert Configurator</i> .
<i>Ticket ID: 5762</i>	Impossible to find the environment path.

**DXF/DWG**

<i>Ticket ID: 4122</i>	After exportation, the "newline", used to display the value of a symbol attribute on two lines, is not recognized (overlapping texts in the attribute value)
<i>Ticket ID: 5857</i>	Export: keep the not used contacts hidden.

**Ergonomy**

<i>Ticket ID: 6332</i>	Wrong window appearance.
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**Harness**

<i>Ticket ID: 5708</i>	Impossible to copy a harness with its protection.
<i>Ticket ID: 5716</i>	Lost Location property of the connector.

**Installation**

<i>Ticket ID: 6767</i>	The installer does not keep the "SeeMapping.XML" file and overwrites it at each installation
<i>Ticket ID: 5972</i>	Impossible to launch the V4R3 version in user session as it was with V4R2.

**Multi-User**

<i>Ticket ID: 6288</i>	Crash when using the <b>Undo</b> command.
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**List Reports**

<i>Ticket ID: 5513</i>	In the French version, impossible to add manually a new line in the extraction table.
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<i>Ticket ID: 5901</i>	Impossible to extract cables without tag.
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### Other

<i>Ticket ID: 5620</i>	Epdm: The See.exe file is always opened even if the software is closed.
<i>Ticket ID: 5333</i>	ADG (Automatic Diagram Generation): The option " <b>Sort by location, function and/or variant to generate only blocks wanted</b> " does not work.

### Options & Variants

<i>Ticket ID: 5954</i>	Impossible to save a wire project (.seewprj) with validity through the <b>Save as</b> command.
<i>Ticket ID: 6245</i>	After a " <b>Save as</b> ", lost the already generated terminal strip sheets.
<i>Ticket ID: 6299</i>	With the <b>Save as</b> command, some sheets (part lists...) are not updated.

### PLC I/O Manager

<i>Ticket ID: 5155</i>	Incorrect schematic generation by <i>slf</i> for mixed cards.
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### Protection

<i>Ticket ID: 6783</i>	Error message "Key not connected" on computer under <i>Windows 10</i> , with both <i>SEE Electrical Expert</i> and <i>Viewer</i> installed.
<i>Ticket ID: 6692</i>	Download impossible when Part List Manager is programmed on the HASP Server key.
<i>Ticket ID: 6325</i>	Stadler Rail plugin is not protected.

### Smarteam

<i>Ticket ID: 6854</i>	Error message "9" when saving the project.
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### Symbols

<i>Ticket ID: 6156</i>	With a SQL 2012 equipment catalogue, the equipment codes are doubled in the window for equipment code selection.
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### Synoptic

<i>Ticket ID: 6139</i>	The table links are not kept invisible when printing.
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### Terminals

<i>Ticket ID: 6677</i>	Syntax error in the terminal strip settings.
<i>Ticket ID: 6623</i>	Incorrect error message when generating a Terminal Strip sheet.
<i>Ticket ID: 5243</i>	Impossible to use a "Show Cable on Several Sheets" option.
<i>Ticket ID: 4165</i>	Impossible the generation of a terminal strip with a parameter sheet number 10.xx.

### Translation

<i>Ticket ID: 4701</i>	Filter on a word does not work.
<i>Ticket ID: 6200</i>	Not deleted non translatable texts

### Wire Lists

<i>Ticket ID: 4545</i>	Wire user attributes are not extracted in <i>SEE Electrical Expert</i> from <i>SEE Generative View</i> .
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## I.C. Known Issues and Workarounds

### Issues to be fixed in V4R3 Service Pack 6 (4.86/B)

#### 2D Panel

<i>Ticket ID: 686</i>	The command for aligning several rails does not work.
<i>Ticket ID: 6597</i>	The drilling sheet has to inherit the title of the layout sheet.

**Blocks**

<i>Ticket ID: 7128</i>	When inserting a block, the symbol's behavior is changed.
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**Connectors**

<i>Ticket ID: 6012</i>	Impossible to update (change) the equipment gauge value on a pin.
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**Copy/Paste**

<i>Ticket ID: 7122</i>	Impossible to paste Cable sheets in another group.
<i>Ticket ID: 6899</i>	Impossible to move or cut a panel sheet from a group to another one

**Installation**

<i>Ticket ID: 6328</i>	The installed Hasp LM document is only in FR or EN.
<i>Ticket ID: 6533</i>	In the <i>SEE Electrical Expert Configurator</i> , the SEE PLC plugin for the V4R3 version is also displayed.
<i>Ticket ID: 7074</i>	When launching the software, the EnvironmentManager.xml file is not found.

**Environment**

<i>Ticket ID: 6744</i>	Environment Manager: Incorrect .log file when using the update and synchronization commands.
<i>Ticket ID: 6853</i>	Some components are not accessible and are locked if the environment is shared on a server.

**List Reports**

<i>Ticket ID: 5266</i>	Incorrect total number obtained with a differential extraction.
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**Other**

<i>Ticket ID: 647</i>	OLE Objects: Unable to insert an OLE object of AutoCad type.
<i>Ticket ID: 6240</i>	ADG: When inserting several times the same block, the symbols and/or connections are not tagged.
<i>Ticket ID: 6516</i>	Impossible to insert a very big 3D Print view.

**PLC I/O Manager**

<i>Ticket ID: 5069</i>	Project attributes not retrieved from the project to the created PLC sheet.
<i>Ticket ID: 6492</i>	When the "Use this module?" property of a rack is set to "No", a respective rack sheet is still generated (during the configuration generation)
<i>Ticket ID: 6496</i>	PLC module does not work when a network access path is specified as the environment root directory.

**Printing**

<i>Ticket ID: 6901</i>	Incorrect dialogue after modifying its size.
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**Protection**

<i>Ticket ID: 5956</i>	The Key number value is empty in the Configurator when Hasp LM protection is used.
<i>Ticket ID: 6796</i>	Error message when launching V4R3 with a Hasp LM server.

**Symbols**

<i>Ticket ID: 6005</i>	The symbol properties are not displayed correctly when checking the status (in the Methods).
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**Synoptic**

<i>Ticket ID: 6265</i>	When executing the cable update process, the cables are removed from the Synoptic sheet.
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**Title Block**

<i>Ticket ID: 6775</i>	Metacommand name: \$LOC_DESCRIPCION is not the same as in V4R2 (Spanish version).
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**Translation**

<i>Ticket ID: 7096</i>	Non translatable characters should not become "@".
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## I.D. Limitations and Restrictions

### I.D.1. SEE Electrical Expert

- ✓ *SEE Electrical Expert* cannot be run under *Windows XP*.
- ✓ *SEE Electrical Expert V4R3* needs a **Flex LM** version that is equal or upper to **11.14.02** to use this type of protection. The "**Visual C++ Redistribute for Visual Studio 2015**" component has to be installed on the server where **Flex LM** is installed. Normally, this component is automatically installed with the *Windows Update*.
- ✓ Project maximal size is 1.8 GB.
- ✓ The **multi-language features** of a project are protected by the "**Translation**" license. Editing texts or attributes is possible to be carried out in all project languages only provided you have the "Translation" module included in your license. If you do not have the "Translation" module, you are allowed to consult the project in each project language but modifications can only be made in the "main" language.
- ✓ The migration process does not recreate the **hyperlinks** in projects created with V4R1 or previous versions of *SEE Electrical Expert*. To have the hyperlinks available on migrated projects, you have to rebuild the cross references and then generate the part lists and table of contents again.
- ✓ **PDF Export**: To activate the hyperlinks in **Adobe Acrobat Pro**, click **Edit > Preferences...**, select the **Documents** category in the left pane of the displayed **Preferences** window and then choose "**Never**" from the drop-down list available for the "**View documents in PDF/A mode**" setting.
- ✓ *SEE Workspace* (SWS files generated through **Options/Customize - Export** button) saved with versions lower or equal to V4R2 not supported by V4R3.
- ✓ **SEE Equipment Database** supports *MS SQL Server 2008, 2012 and 2014* ("Part List Manager" license is required).
- ✓ Versions greater or equal to V4 do no longer support *MS SQL* or *Oracle* database for the parts list processes.
- ✓ If you are using *Local Server Borrowing (LSB)* or *Internet License Server (ILS)* Protection, it is impossible to change the software language after the installation.
- ✓ **Equipment Catalogue**: the "**Date of update**" field is automatically updated at execution of the relevant functionalities that allow/initiate creation, importation and modification of Equipment Codes  
However, there are particular cases when the field is not updated – these are:
  - ✓ Modification of Equipment Codes directly in the Access base.
  - ✓ Download of Equipment Codes from CSV and XML files.

- ✓ Download of Equipment Codes having ASCII Formatted format, dBase format and Class format.
- ✓ Modification of a field value via the command **Edit > Change field value....**
- ✓ Modification of a field via the command **Tools > Add or Modify field into multiple classes.**
- ✓ **PLC I/O Manager:**
  - ✓ With **Block Generation** option activated (in the **Options** menu), it is **impossible** to export interfaces in the generated PLC sheets (this process is only possible when the **Sif Generation** option is activated).
  - ✓ Impossible to import configurations with formats:
    - FNE, EDI LOG and TXT.
    - ACCESS with a structure different from IGE format.
  - ✓ Impossible to export a configuration.
  - ✓ In a configuration, it is impossible to define several blocks of intermediary cards.
- ✓ **Environment Manager:** The Merge, Compare and Update processes work only between environments that have the same structure (i.e. the same Classes and Fields).
- ✓ **Block Variables Editor:**
  - ✓ does not retrieve attributes from Blocks and Standard Diagrams created in Layout sheets.
  - ✓ retrieves only symbols' Location and Function from Blocks and Standard Diagrams created in Synoptic sheets.

## I.D.2. SEE Automatic Diagram Generation Module

- ✓ The *SEE Automatic Diagram Generation* module has its own installer, and is **not installed with SEE Electrical Expert.**
- ✓ This module is protected by a license.
- ✓ The *SEE Automatic Diagram Generation* module **needs MS Excel** and is compatible with the **32 and 64 bits** versions of **MS Excel 2010, 2013 and 2016.**
- ✓ It is not possible to add variables for layout or harness blocks in the Block Param Editor.

## I.D.3. Concurrent Engineering Module (Multi-User Mode)

- ✓ The *Concurrent Engineering* module (Multi-User mode) works with MS SQL Server 2012 and 2014 database to store project data.
- ✓ The Concurrent Engineering module **needs SEE Access Control.**
- ✓ In Multi-User mode (*Concurrent Engineering* module), the option "**Automatically save project content when closing project**" (in the **Settings** window of *SEE Electrical Expert*) does not work when **not enabled.**

#### I.D.4. Open Data Module

- ✓ The *Open Data* module needs *MS Excel* and is compatible only with the 32-bits version.

#### I.D.5. End Fitting Module

- ✓ To migrate the data stored in cable attributes (until V4R1) to the new V4R3 extremity attributes, the "End Fitting migration to V4R3 (4.80)" plugin must be installed and activated.

#### I.D.6. 3D Panel For SolidWorks Module

- ✓ The "old" *3D Panel for SolidWorks* module is no longer supported by *SEE Electrical Expert* versions that are greater or equal to V4R3.
- ✓ A 3D panel layout created with this module (before V4R3) cannot be migrated to the new *3D Panel* module.

#### I.D.7. Macro

- ✓ To execute a macro on *SEE Electrical Expert* versions greater or equal to V4R3, you need to have a **VBA version 7.1 32 bit** (not 64 bit) installed.

#### I.D.8. SmarTeam Integration Module

- ✓ The *SmarTeam Integration* module of *SEE Electrical Expert* V4, V4R1, V4R2, and V4R3 supports the SmarTeam releases V5R19 to V5R27.

## I.E. Compatibility with Other IGE+XAO Products

### I.E.1. SEE Project Manager

*SEE Electrical Expert V4R3 Service Pack 6 (4.86/A)* is compatible with *SEE Project Manager V8R2 SP7 - Patch K or L*, and *V8R3 Patch C*.

### I.E.2. SEE Access Control

*SEE Electrical Expert V4R3 Service Pack 6 (4.86/A)* supports only the version 4.50/E of *SEE Access Control*.

Customers using older *SEE User Access* versions have to migrate their databases via the *SEE Access Control Administration Tool*.

### I.E.3. SEE Automatic Diagram Generation

*SEE Electrical Expert V4R3 Service Pack 6 (4.86/A)* supports the version V4.80/A of *SEE Automatic Diagram Generation*.

### I.E.4. SEE Electrical Jigboard

*SEE Electrical Expert V4R3 Service Pack 6 (4.86/A)* supports the version V4R7 of *SEE Electrical Jigboard*.

## I.F. System Requirements

### I.F.1. Advisable System Configuration

#### For Mono-User Mode:

- Microsoft *Windows 7* Home Premium, Professional, Ultimate, Enterprise
- 64 bits Operating System to be installed on a 64 bits computer
- Processor: i3 class, 2 GHz.

- RAM: 4 GB, but strongly recommended are 8 GB.
- 500 MB of free disk space required for the installation.
- In order to optimize the *SEE Electrical Expert* performance on your computer, it is recommended that you use an SSD hard drive
- Graphic Card: 1280 x 1024.

### For Multi-User Mode (Concurrent Engineering):

The requirements are different for the Server and for the Client.

#### For the Server:

- Microsoft *Windows* Server 2008 R2 64 bits or newer.
- Microsoft *SQL* Server 2008 R2 (PROFESSIONAL version strongly recommended; EXPRESS EDITION version possible to be used with limitations).
- Processor: i7 class, 3 GHz.
- RAM: 12 GB (+ 1 GB by client).
- 200 GB of free disk space required for the installation.
- LAN (Network Card): 1 GB.

#### For the Client:

- Microsoft *Windows* 7 (64 bits).
- Processor: i3 class, 2 GHz.
- RAM: 4 GB.
- 500 MB of free disk space required for the installation.
- In order to optimize the *SEE Electrical Expert* performance on your computer, it is recommended that you use an SSD hard drive
- Network Card: 1 GB.
- Graphic Card: 1280 x 1024.

### For using the 3D Panel:

- Microsoft *Windows* 7 Home Premium, Professional, Ultimate, Enterprise.
- Processor: i7 class, 3 GHz.
- RAM: 8 GB.
- 1 GB of free disk space required for the installation with the 3D Parts library provided by default.
- Graphic Card: full support of OpenGL required, as well as 4 GB of dedicated memory.

## I.F.2. Windows Compatibility

*SEE Electrical Expert* V4R3 supports:

- ✓ Microsoft **Windows 10 Pro** (32 and 64 bits), as well as Microsoft **Windows 10 Enterprise** (32 and 64 bits).
- ✓ Microsoft **Windows 8** and Microsoft **Windows 8.1** (except for the RT version for mobile devices).

- ✓ Microsoft **Windows 7**.
- Microsoft **Windows XP** is not supported by *SEE Electrical Expert V4R3*.

### I.F.3. Virtual Solutions Compatibility

*SEE Project Manager* and *SEE Electrical Expert* are compatible with the Microsoft App-V and VMWare virtual solutions.

#### Microsoft App-V or VMWare

No compatibility issues reported for these two virtual solutions.