

Release Notes

SEE Electrical Expert V4R3 Service Pack 6 (4.86/C)

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

I.A. New Features and Enhancements

Plugins

- Created a new plugin: SEE Catalog Multilingual Description Conversion Plugin, which is to be used for splitting the multilingual catalogue descriptions, coming from versions < V4R2, into the respective (separate) language fields available in the V4R3 catalogue.

WD Extraction

- Modification of the extraction data for plugs connected to containers of "Current Transformer" type.
- Modification of the extraction data for the Current Transformers and Pressure Seals in the "WireList" section of the generated XML file.

Ptc CREO

- The INTERNAL_LENGTH parameter is now retrieved in the generated NWF file.

I.B. Fixed Issues

2D Panel

<i>Ticket ID: 686</i>	The command for aligning several rails does not work.
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Connectors

<i>Ticket ID: 7635</i>	Cannot insert a connector on a container.
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Copy/Paste

<i>Ticket ID: 6899</i>	Impossible to move or cut a panel sheet from a group to another one
<i>Ticket ID: 7352</i>	The Duplicate > Symbol command (Edit menu) does not work.

Environment

<i>Ticket ID: 6744</i>	Environment Manager: Incorrect .log file when using the update and synchronization commands.
<i>Ticket ID: 7943</i>	Impossible to open an environment with 4.86A

Equipment Catalogue

<i>Ticket ID: 7551</i>	The search for "Equipment Description or Code" does not work if the CODE field is not the first field.
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Installation

<i>Ticket ID: 7648</i>	Wrong version of the tool for project creation from image files, in the installer of V4R3.
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Migration

<i>Ticket ID: 8175</i>	After project migration, an error message is displayed when validating the cable CAD attributes.
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Other

<i>Ticket ID: 6208</i>	ADG: Cannot create the project and sheets through Automatic Diagram Generation (ADG).
<i>Ticket ID: 6240</i>	ADG: When inserting several times the same block, the symbols and/or connections are not tagged.
<i>Ticket ID: 7485</i>	When closing a project, the PDF files generated automatically are wrong if the project is not saved.
<i>Ticket ID: 7604</i>	WD Extraction: Missing information when extracting a cable which passes through a TI or pressure seal.
<i>Ticket ID: 8132</i>	Ptc Creo: In the generated NWF file, the parameter PARTNO retrieves the terminal strip equipment code instead of the equipment code of the terminal.

Open Data

<i>Ticket ID: 8174</i>	Unable to generate the XLS file.
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PLC I/O Manager

<i>Ticket ID: 7361</i>	Cannot change addresses on the card.
<i>Ticket ID: 7497</i>	Problem with channels blocks.
<i>Ticket ID: 7569</i>	The address is not saved.

Plugins

<i>Ticket ID: 8257</i>	"Catalog multilingual description conversion" Plugin: Crash when launching the process.
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Project

<i>Ticket ID: 8261</i>	Error message: "Source path is empty" when opening a project.
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Protection

<i>Ticket ID: 6692</i>	Impossible to download when Part List Manager is programmed on the HASP server key.
<i>Ticket ID: 7781</i>	Without Cabling or Terminal module, impossible to delete a sheet that contains a cable.

Smarteam

<i>Ticket ID: 7773</i>	The Save command in the Smarteam menu does not update the SEF file.
<i>Ticket ID: 8214</i>	When launching a Check In or Check Out, several See.exe instances are opened.
<i>Ticket ID: 8215</i>	At the second Check IN, a PDF file for visualization in Smarteam is not generated.

Translation

<i>Ticket ID: 7742</i>	Crash when adding terms via the translation process.
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Synoptic

<i>Ticket ID: 6139</i>	The table links are not kept invisible when printing.
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I.C. Known Issues and Workarounds

Issues to be fixed in V4R3 Service Pack 6 (4.87/A)

Blocks

<i>Ticket ID: 7594</i>	After inserting a block, some pins are missing.
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Copy/Paste

<i>Ticket ID: 7383</i>	Incorrect cable location (From/To) after using Paste special .
<i>Ticket ID: 7417</i>	If symbols do not exist in the environment, these ones are not "copied" with a Paste special .
<i>Ticket ID: 7483</i>	After Paste special , the locations are not sorted.

Connectors

<i>Ticket ID: 5705</i>	Lost equipment code in pin's CAD attributes.
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Configurator

<i>Ticket ID: 5762</i>	Impossible to find the environment path.
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Ergonomy

<i>Ticket ID: 8127</i>	Bad default size of the Attribute window in the French version.
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Installation

<i>Ticket ID: 8026</i>	Incorrect name and description of the new block OPR plugin.
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Options & Variants

<i>Ticket ID: 7954</i>	Lost sheet validity after copying/pasting a text/symbol/drawing from a sheet into another one.
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Other

<i>Ticket ID: 5907</i>	XElec Converter: problem with redirections within environments
<i>Ticket ID: 7748</i>	Performance: Terminal strip sheets generation regression.
<i>Ticket ID: 7824</i>	Performance: slowdown when working with this environment.
<i>Ticket ID: 8066</i>	Impossible to use SEE Electrical Expert V4R3 on Windows 10 with regular user rights only.

PLC I/O Manager

<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.
<i>Ticket ID: 7685</i>	In the generated sheets, the last term used in the mnemonic is repeated.
<i>Ticket ID: 7766</i>	The configuration imported from an AML file is incomplete.
<i>Ticket ID: 7836</i>	The configuration imported from an AML file created with the TIA software is incorrect.

Printing

<i>Ticket ID: 7965</i>	Texts contained in object groups are not generated in the CGM/SVG files
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Protection

<i>Ticket ID: 7783</i>	With a LLS, the license borrowed for 90 days is blocked after about 11 days.
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Sheets

<i>Ticket ID: 7596</i>	Impossible to rename a group after inserting a block in a new sheet.
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Signals

<i>Ticket ID: 6217</i>	Lost the signal labels positions when removing signal numbers.
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Symbols

<i>Ticket ID: 7394</i>	After changing the English description of symbol family, the Polish description is displayed.
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Terminals

<i>Ticket ID: 7717</i>	The " Authorize generation of several terminal strips per sheet " option does not work.
<i>Ticket ID: 8659</i>	With two shunt levels, the generated DIN terminal sheet is not correct.

Translation

<i>Ticket ID: 7655</i>	The non-translatable text disappears after the translation.
<i>Ticket ID: 8159</i>	Some sentences are not translated if the "Word-to-word Translation" option is enabled.

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 - it 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/C) 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/C) 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/C) 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/C) 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, 2GHz3 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.