

Release Notes

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

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

I.A. New Features and Enhancements

3D Panel

- Added equipment cabling extraction for SEE 3D Panel.

2D Panel

- The drilling sheet, generated from a layout diagram, inherits the title of the respective Layout sheet.

Label Export

- Changed command name.

Toolbox

- Implemented possibility to remove (during the project update processes) texts, comments and/or drawings inserted in particular layer(s)

Migration

- Migrated the version of the SeeToolsGPG tool from V4R2 to V4R3.
- A macro developed for Carrier migrated to a standard feature in V4R3 - added as a new plugin (see below the info about the block OPR removing plugin).

Installation

- Two standard plugins added to the *SEE Electrical Expert* installer:
 - ✓ SEE Catalog Multilingual Description Plugin – to split multilingual descriptions coming from a previous version into the respective language fields existing in the current version.
 - ✓ SEE Automatic block OPR removing plugin – to remove the useless OPRs from the inserted blocks.

Batch Mode

- Implemented possibility for execution of controls in batch mode.
- Added control processes.

I.B. Fixed Issues

2D Panel

<i>Ticket ID: 6597</i>	The drilling sheet has to inherit the title of the layout sheet.
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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.
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Environment

<i>Ticket ID: 6853</i>	Some components are not accessible and are locked if the environment is shared on a server.
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Installation

<i>Ticket ID: 6328</i>	The installed Hasp LM document is only in FR or EN.
<i>Ticket ID: 7652</i>	Missing features description in the installer for the "Project Auto-Backup" tool.

Migration

<i>Ticket ID: 7572</i>	The new catalogue functions are not added when an environment is migrated from V4R2 to V4R3.
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List Reports

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

<i>Ticket ID: 4281</i>	Automatic Diagram Generation: Impossible to generate Layout blocks.
<i>Ticket ID: 4293</i>	Automatic Diagram Generation: Impossible to load a Synoptic block in an Excel file.
<i>Ticket ID: 6516</i>	Impossible to insert a very big 3D Print view.
<i>Ticket ID: 7339</i>	Jigboard: The extracted XML file is not correct.
<i>Ticket ID: 8110</i>	PTC Creo: Bad exportation of terminals

Options & Variants

<i>Ticket ID: 5954</i>	Impossible to save a wire project (.seewprj) with validity through the Save as command.
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PLC I/O Manager

<i>Ticket ID: 5069</i>	Project attributes not retrieved from the project to the created PLC sheet.
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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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Terminals

<i>Ticket ID: 6677</i>	Syntax error in the terminal strip settings.
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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.C. Known Issues and Workarounds

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

2D Panel

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

Configurator

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

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

<i>Ticket ID: 6744</i>	Environment Manager: Incorrect .log file when using the update and synchronization commands.
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<i>Ticket ID: 7943</i>	Impossible to open an environment with 4.86A
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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.
<i>Ticket ID: 8026</i>	Incorrect name and description of the new block OPR plugin.

Migration

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

<i>Ticket ID: 8174</i>	Unable to generate the XLS file.
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Other

<i>Ticket ID: 647</i>	OLE Objects: Unable to insert an OLE object of AutoCad type.
<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: 7748</i>	Performance: Terminal strip sheets generation regression.
<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.

PLC I/O Manager

<i>Ticket ID: 6358</i>	Possibility to type directly the Excel import model.
<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: 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.

Protection

<i>Ticket ID: 7636</i>	Impossible to insert a cable in a customer project if Labelling is not programmed.
<i>Ticket ID: 7781</i>	Without Cabling or Terminal module, impossible to delete a sheet that contains a cable.
<i>Ticket ID: 7783</i>	With a LLS, the license borrowed for 90 days is blocked after about 11 days.

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.

Synoptic

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

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