

Release Notes

SEE Electrical Expert V4R3 Service Pack 3 (4.83/B)

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I. Changes and Enhancements Made in *SEE Electrical Expert V4R3 Service Pack 3 (4.83/B) Compared to V4R3 Service Pack 3 (4.83/A)*

For security reasons, we use a certificate in order to ensure that your *SEE Electrical Expert* license is digitally signed by IGE+XAO.
 On the versions you are using, this certificate **is valid until June 16, 2018**.
 You are **imperatively required to install before this date** a new valid certificate, by installing the current V4R3 SP3 (4.83/B) update.

I.A. New Features and Enhancements

Part Lists

- Possibility to retrieve Project Attributes in the generated Part Lists.

I.B. Fixed Issues

Batch Mode

<i>BM24073</i>	A control result is displayed when closing a project created via Automatic Diagram Generation, even if all control options are disabled in the respective method.
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Blocks

<i>BM23841</i>	Tags saved in Blocks are not kept when Blocks are inserted in "User" tagging mode.
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Documentation

<i>BM23784</i>	Modification in the Synoptic sheet help.
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Environment Manager

BM23818	When comparing the active and the project Environments, the Title Blocks, Parameter Sheets and Sif files appear in the created differential environment even if they are identical in both compared environments.
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Messages

BM24082	The translation is not good.
BM605301	No translation of the button Change in the Symbol references window.
BM605305	No translation of the contextual menu in the Control Process window (called via Tools > Control).
BM605308	Imprecise translations of commands in the Environment Explorer .
BM605313	No Polish translation of the buttons in the Select codes to convert window (called via Tools > Toolbox > Environment > Update > Equipments > Conversion equipments to part number in XML format > Select codes > Select).
BM605315	Untranslated button.
BM1301007	Incorrect translation of the Modify > Vertical Symmetry contextual command (Spanish version).
BM1301025	In the Spanish version, change text in the description for electrical behaviour/function.
BM1301037	Cabling Control - change the text "Cable sin De localización" (Spanish version).
BM1301038	Cabling Control - change the text "Cable sin A localización" (Spanish version).
BM1301039	Cabling Control - change the text "Cables que tienen De localización y A localización iguales" (Spanish version).
BM1301040	Cabling Control - change the text "Expand all" and "Collapse all" (Spanish version).
BM1301041	Cabling Control - change the text "Control de los cables cuyos orígenes o destinos están en múltiples localizaciones" (Spanish version).
BM1301043	Change text in the window called via Options > Terminal Strip Connector Generation Settings... (in the Terminal Strip Editor).
BM1301044	Change text in the window called via Options > Terminal Strip Connector Generation Settings....
BM1301045	Change text for connectors in the window called via Options > Terminal Strip Connector Generation Settings...
BM1301046	Change text in the window called via Options > Set Cable... (Terminal Strip Editor).
BM1401640	Wrong translation inside a dialogue accessed via the Print functionality (Italian version).

Other

<i>BM23848</i>	SEE Electrical Expert Configurator: Impossible to set the protection settings.
<i>BM1401650</i>	Hyperlinks: When generating a PDF file, the hyperlinks with source: "https" are wrong.

PLC I/O Manager

<i>BM605259</i>	PLC Selector: Missing translations in the Polish version of the <i>PLC I/O Manager</i> .
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Printing

<i>BM1401611</i>	Crash when exporting the sheets in SVG format.
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I.C. Known Issues and Workarounds

Issues to be fixed in V4R3 Service Pack 4 (4.84/A)

2D Panel

<i>BM605258</i>	Error message "Out of memory" when opening a Layout sheet created with a large scale.
<i>BM605299</i>	The enclosure additional codes are deleted after adding a new additional code.
<i>BM605306</i>	The command Tools > Define Layout Workspace does not work correctly.
<i>BM605316</i>	Message: "Framed" during insertion of the rail or wireway.
<i>BM1301042</i>	When clicking on the Print Preview icon, the symbols tags and the the title block information are not displayed.

3D Panel

<i>BM24021</i>	Impossible to launch the 3D Panel after a PLC importation.
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Cables

<i>BM24056</i>	Incorrect request of the Cable catalogue field "TYPE_Cable with a WD Attribute.
<i>BM605318</i>	The gauge field in the cable insertion dialogue is not filled.
<i>BM1301048</i>	When a new cable User Attribute is created, it does not appear in the inserted cable.

Copy/Paste

BM1301003	If the option for symbol auto connection is enabled, the multiple pasting does not work when only one symbol is selected (copied).
BM1301005	The multiple pasting of a copied terminal or pin creates a new location by each copy.

DWG/DXF

BM22736	After a DWG importation, the Symbol Explorer is not refreshed.
BM23415	Impossible to use the \$TAG attribute in the Symbol tab of the Import DXF/DWG method.

Electric Data Explorer

BM23391	No difference between the displayed error and warning messages.
BM23627	Bad wire order on some tags in the Cable tab.
BM23844	Terminal strips are not correctly sorted when their names contain a dot.
BM1301004	If for the terminal strips/connectors the order is set by "Group – Label", the terminal strips and connectors are not displayed for a project that has uniqueness set to Group Level 1

Environment Catalogue

BM23974	Impossible to display all the classes when creating an assembly.
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Environment Method

BM23971	When changing the sheet numbering type from Decimal to Alphanumeric, it is possible to have several sheets with the same number.
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Location

BM605196	Cyrillic characters are displayed incorrectly.
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Messages

BM23343	Several incorrect translations in the French version.
BM23960	Translation error on a contextual command in the Terminal Strip editor.
BM605320	Wrong message in the Request Attributes method.

Multiusers

BM605276	In the Electric Data Explorer, the structure of the diagrams is incorrectly displayed.
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Other

<i>BM604094</i>	The command for control of the symbols existence in the environment directory always returns: "Project OK!".
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Printing

<i>BM1401542</i>	When generating the project in a PDF file, some entities are missing.
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Parameter Sheets

<i>BM24059</i>	Crash when closing a Parameter sheet.
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Protection

<i>BM23612</i>	Incorrect translation when no license is available on the dongle.
<i>BM24015</i>	Impossible to save the protection settings in the <i>SEE Electrical Expert</i> Configurator if the user does not have Administration rights
<i>BM24044</i>	Protection error in the software key when switching from V4R2 to V4R3 on the same computer.

Schematic Editor

<i>BM605285</i>	When moving part of the diagram, some additional connections are created.
<i>BM605300</i>	Toolbox: Incorrect display of the diagram number and title
<i>BM605319</i>	Configuration settings: the option "Turn on support for high-DPI resolutions" does not work for 4K resolution.

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 V4R1 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.

✓ **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 Electrical 3D Panel

- ✓ *SEE Electrical 3D Panel* has its own installer and is **not installed with *SEE Electrical Expert***.

I.D.3. 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.4. 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.5. Open Data Module

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

I.D.6. 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.7. 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.8. 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.9. 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 3 (4.83/B) is compatible with *SEE Project Manager* V8R2 SP 7 - Patch K or L, and V8R3 Patch C.

I.E.2. SEE Access Control

SEE Electrical Expert V4R3 Service Pack 3 (4.83/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 Admin Tool*.

I.E.3. SEE Automatic Diagram Generation

SEE Electrical Expert V4R3 Service Pack 3 (4.83/B) supports the version V4.80/A of SEE Automatic Diagram Generation.

I.E.4. SEE Electrical 3D Panel

SEE Electrical Expert V4R3 Service Pack 3 (4.83/B) supports V1R4 Service Pack 1 of *SEE Electrical* 3D Panel.

I.E.5. SEE Electrical Jigboard

SEE Electrical Expert V4R3 Service Pack 3 (4.83/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.
- 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: i5 class, 2 GHz.
- RAM: 4 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 1 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.