

Release Notes

SEE Electrical Expert V4R3 Service Pack 2 (4.82/D)

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I. Changes and Enhancements Made in *SEE Electrical Expert V4R3 Service Pack 2 (4.82/D final version)* Compared to *V4R3 Service Pack 2 (4.82/C)*

I.A. New Features and Enhancements

Layout Sheet

- In the **Cable Installation Panel** window (called via the homonymous command in the **Tools** menu), the **"Search"** field is displayed by default.

I.B. Fixed Issues

Connectors

<i>BM23740</i>	Crash when opening the CAD Properties dialogue on a Shielded pin belonging to an inline connector.
<i>BM23741</i>	The Change to Backshell pop-up command (available on pins) is not able to manage simultaneously both pins from a pair.
<i>BM605225</i>	Impossible to tag Shielded pins on inline connectors.

Environment Catalogue

<i>BM23773</i>	Impossible to add a new equipment code.
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Messages

<i>BM605238</i>	French information in the PLC Configurator of the Polish version.
<i>BM605240</i>	Wrong names of PLC parameters in the Polish version.
<i>BM605243</i>	Wrong names in a drop-down list and wrong names of channels in the PLC Configurator
<i>BM605252</i>	The translation of the description of the \$PIN_ROLE metacommand is inadequate.

PLC I/O Manager

BM23749	The import of a PLC configuration from <i>TIA Portal</i> does not work with the attached file.
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Schematic Editor

BM605245	In a wire project, impossible to move the entire schematic diagram.
BM605248	Control of the pins names (numbers) according to the equipment code of the connector is not applied.

I.C. Known Issues and Workarounds

Issues to be fixed in V4R3 Service Pack 3 (4.83/A)

3D Panel

BM23570	The 3D Model of a device loaded in the <i>3D Panel</i> is resized according to the dimensions in the catalogue.
BM605214	After creating a 3D project and deleting it, the Load From Location command does not work properly (in the new project created)
BM605215	While working with a 3D project, the Save button and automatic saving do not work.
BM605216	The drilling defined via the command Print > Define Print Views is not displayed correctly.

Blocks

BM23651	The Refresh command does not work.
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Cables

BM20926	Impossible to add an attribute on a cable inserted in a graphical location.
BM23745	Problem with the cabling attributes of cables when connections are inserted from left to right.
BM23748	Impossible to disable the "Insert wire symbols..." option in the dialogue called via the command Insert > Define Connection Cabling – Options button.
BM1401619	At the insertion of a second cable, the equipment code assigned to the previous one is not taken into account.

Connectors

BM23637	Crash when opening the CAD Properties window from a connector's pin.
BM23671	Harness related information not displayed for equipment codes of pins (in generated equipment lists).

Copy/Paste

BM15402	Cut/Paste Special or Copy/Paste Special do not work for equipment codes and notes of cables.
BM22078	When using Copy/Paste Special , lost the link between the terminal strip and the interface (to which it was assigned).
BM22523	After a Paste Special from the Sheet Explorer , the cable has a new tag.
BM22558	After using Paste Special for several sheets, lost the OPR links.
BM23112	When pasting a railway, the value of the user attribute is lost.
BM23561	When pasting a Backshell pin in the same connector, the pasted pin takes a new connector tag
BM605161	Wires calculated when opening terminal strip in the Terminal Strip Editor (after copying and pasting a terminal) are not replaced by Cable strands in all connections (in the Schematic Sheet).
BM1300937	When pasting a cable, two connections are created on each terminal.
BM1401491	When pasting connections with signal numbers, these are not numbered consecutively.
BM1401585	When pasting a multiple terminals several times, the order number of some of them is not correct.
BM1602251	The Paste special of all sheets from a group to another one does not work.

Documentation

BM23784	Modification in the help concerning the synoptic sheet.
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DWG/DXF

BM23415	Impossible to use the \$TAG attribute in the Symbols tab of the Import DXF/DWG method.
BM23572	DWG lines are imported as Drawings instead of being imported as Connections.
BM1401589	Importation with smart DXF processing (advanced mode activated in the method) does not work.

Environment Method

BM1700113	Symbol Tagging method: In the Numbering tab, impossible to reset by group name the order number of the symbol tag.
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Harness Editor

BM605230	Impossible to match a symbol with "Harness" function / "Harness GroundBlock" behaviour, from a Harness diagram, with a symbol having "Terminal Strip & Connector" function / "Connector Ground" behaviour (Schematic Diagram).
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List Reports

BM19221	Language problem with Edition Filters.
BM23502	Incorrect management of "From" – "To" Location in a Wiring List.

Messages

BM23343	Several incorrect translations in the French version.
BM23612	Incorrect translation of the message displayed when none of the licenses on the dongle is available.
BM23716	Wrong message displayed when inserting (drawing) a curve with no angle.
BM23735	In the French version, incorrect translation in the repository dialogue.
BM605237	In the Polish version, wrong name of the PLC Configurator.
BM605239	In the Polish version, wrong menu name in the PLC Configurator.
BM605241	Wrong names in the contextual menu of modules in the PLC Configurator.
BM605242	Wrong names in the windows with properties for the PLC Station and Modules
BM1700122	Wrongly translated text in dialogues.
BM1700125	Incorrect translation for the Chinese version.

OLE Object

BM1401579	OLE Object insertion does not work for Windows 10 version 1703
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Other

BM23455	Add or Modify field into multiple classes command in the <i>Equipment Catalogue (Tools menu)</i> : When adding a new field, lost the field name if you select the function before entering the name.
BM605251	Get Connected To Our Customer Area : bad link in the Polish version.

Printing

BM1401542	When exporting the project in PDF format, some entities are missing in the generated files.
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Schematic Editor

BM1401573	Navigation: Hyperlinks are not displayed in the Cable CAD Properties dialogue
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Sheets Explorer

BM23420	Impossible to create a location on a new group.
BM1602484	Crash when executing a right-click on the groups.

Signals

BM22989	Wrong starting number when numbering by symbol.
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Title Block

BM23284	Incorrect Metacommand attributes list.
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Translation

BM23443	Request for having the position settings available in the Translation dialogue (called from the Process menu), in order to be able to set different positions for the text translations in the different languages without opening the method.
BM23743	The " Word-to-Word Translation " option (in the Translation Settings window) does not work correctly.
BM23754	Some sentences are not translated if the " Word-to-Word Translation " option is selected.
BM23756	Filter on the words with numbers does not work correctly.
BM23771	The not translatable characters are duplicated after the translation.

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) that were saved with versions lower or equal to V4R1 are 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.

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 User Access**.
- ✓ 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 2 (4.82/D) 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 2 (4.82/D) supports only the version **4.50/E** of *SEE User Access*. Customers using older *SEE User Access* versions have to migrate their databases via the *SEE User Access Admin Tool*.

I.E.3. SEE Automatic Diagram Generation

SEE Electrical Expert V4R3 Service Pack 2 (4.82/D) supports the version V4.80/A of *SEE Automatic Diagram Generation*.

I.E.4. SEE Electrical 3D Panel

SEE Electrical Expert V4R3 Service Pack 2 (4.82/D) supports **V1R4 Service Pack 1** of *SEE Electrical 3D Panel*.

I.E.5. SEE Electrical Jigboard

SEE Electrical Expert V4R3 Service Pack 2 (4.82/D) 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.