Release Notes

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

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

I.A.   New Features and Enhancements

Project

▪ Improved the process of the automatic project repairing.
In case of failure of a project repair process (automatically launched in particular cases), the project cannot be opened and a relevant message is displayed.

Electric Data Explorer

▪ Execution of [**Ctrl + Double click**] on a Terminal strip displays the list of the terminals belonging to that Terminal strip, with possibility for navigation to terminals.

Environment Manager

▪ In the Equipment Catalogue, the *"Date of update"* field is updated or filled in (in case of empty value) at execution of the relevant functionalities, available in *SEE Electrical Expert*, which allow or initiate creation, importation and modification of Equipment Codes.
The field is not updated in the following cases:
  ✓ 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 filed via the command **Tools > Add or Modify field into multiple classes**.

PLC I/O Configuration Manager

▪ Via the SLF generation process, the interfaces are also exported in the generated PLC sheets (which is not possible via the Block generation process).

I.B. Fixed Issues

3D Panel

BM23613	The 3D Panel sheets are duplicated in the EDE – each displayed also within the *Tree view of sheets*, under the Schematic Sheet with the same number.

Connectors

BM605204	Free attributes propagated in case of manual pin insertion.
BM605227	Lost the class when a connector is full (happens in case an already inserted plug is replaced).

Environment Catalogue

BM23582	The *"Date of update"* field is not updated after an import from the *SEE Web Catalog*.

Environment Manager

BM23453	When comparing two environments with the **"New only"** option activated, the modified entities are also treated.

Environment Method

BM605013	After an update of the environment, the backshell symbols are missing in the respective Connector method.

Messages

BM23579	Translation of the commands **Import > Comments…** / **Export > Comments**…
BM23652	Incorrect translation of the "Signal Continuity" Contact's Description
BM23674	Incorrect source texts and translations in the dialogue called via the **Options > Database** command in the Equipment Catalogue.
BM1401605	Wrong translation in the Terminal Strip methods for the Italian version.

Options & Variants

BM23411	Impossible to assign a validity on existing texts and drawings after modification of the configuration.
BM1300992	When generating a *PDF* file, the **Validity…** button is not available.

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Other

BM23523	Wire List Import: Error message during the creation of *SEE Electrical Expert* sheets.

PLC I/O Manager

BM23586	At *SLF* generation, the second part of a rack is not generated and error message displayed.
BM23588	The *SLF* generation time is multiplied by 10 compared to the time consumed in V4R2 for the same configuration.
BM23590	The *SLF* generation does not work for a configuration with an interface.
BM23591	When a configuration is updated, the sheets of the other configuration are removed.
BM23680	The Channel update does not take into account the added comments and mnemonics.
BM1602503	A large address cannot be treated.

Protection

BM23593	Modules are abnormally Free with an Internet licence.
BM1300996	The programmed final date of the protection validity is incorrect

Translation Module

BM23598	The translation test does not work.

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 *3D Panel* is resized according to the dimensions in the catalogue.
BM605213	When a report is created, the Report Designer cannot read the project database.
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.

BM605217	The drill charts exported in DXF format are wrongly scaled in the generated files and cannot be inserted in *SEE Electrical Expert*.
BM1401601	The **Mark in Drawing** command (in the ***Components*** pane) does not work.

Blocks

BM23651	The **Refresh** command does not work.

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

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.

Label Export

BM23639	The **"Open label software at the end of process"** option (in the general Label settings accessed via **Options > Settings**) does not work.

List Reports

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

Messages

BM 23343	Several incorrect translations in the French version.
BM23716	Wrong message displayed when inserting (drawing) a curve with no angle.

OLE Object

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

Other

BM23455	**Add or Modify field into multiple classes** command in the *Equipment Catalogue* (**Tools** menu): When adding a new field, lost the field name if you select the function before entering the name.

Printing

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

Protection

BM23612	Incorrect translation of the message displayed when none of the licenses on the dongle is available.

Schematic Editor

BM605205	When opening a project, the sheets and the project methods are empty.
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.

Title Block

BM23284	Incorrect Metacommand attributes list.

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.

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.

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- ✓ **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 SQ*L **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/C) 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/C) 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/C) 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/C) 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/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.
- 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.