

Release Notes

SEE Electrical Expert V4R3 Service Pack 1 (4.81/D)

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A CHANGES AND ENHANCEMENTS MADE IN SEE ELECTRICAL EXPERT V4R3 SERVICE PACK 1 (4.81/D) COMPARED TO V4R3 (4.81/A)

A.1. NEW FEATURES AND ENHANCEMENTS

SEE Catalogue Utilities Tool

- When the tool is launched, following the execution of the **Tools > Add or Modify field into multiple classes** command in the *Equipment Catalogue*, the environment of the active project is automatically loaded by default (no more necessary to select it manually).

"Channel" and "Line Group" symbols

- Alphanumerical sorting of the pins in the **CAD Properties** dialogues of the "Channel" and "Line Group" symbols.

Label Export:

- Selection of a specific manufacturer format for the data extraction no longer mandatory – realized via the newly introduced "No Constructor" option.
- In case a file is already open at the time of launching the export, a relevant message is displayed suggesting advising you to close the file before proceeding.
- A progress bar displayed during the exportation process.
- In case several manufacturer formats (constructors) were selected for the extraction, at the end of the process a single report window is displayed, grouping all export label results (instead of several separate windows appearing per particular manufacturers).
- When data sort is set to be "by Sheet", the process takes into account the Sheets Groups, meaning that sorting by Group is run first, after which the sorting by Sheet (in the respective Groups) is performed.
- Cable labeling is able to work with both formats available in the **Export format cable** frame within the **General** section of the **Settings** window: "Label" and "Location From – Label and Location To – Label"

A.2. FIXED ISSUES

Cut/Paste

BM22274	Impossible to execute Paste if another operation/command is executed after Cut (Paste command becomes inactive - dimmed).
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Connector

BM23352	The synchronization of Connector and Black Box attributes does not work correctly.
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Environment Method

BM23395	Signals Method: During the method validation, an error concerning signals of <i>Cross-Ref</i> category is generated.
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Harness Editor

BM23381	The " <i>Harness Links Visibility</i> " icon is not present by default in the Visibility toolbar
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Installation

BM23345	Impossible to launch <i>SEE Electrical Expert V4R3</i> on a new computer.
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List Reports

BM22599	A filter does not work if the respective catalogue filed has an empty value.
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Messages

BM23209	Rename the command Release Notes, What's new in the menu <?>.
BM23249	Physical Terminal "Symbol" dialogue in the <i>Terminal Strip Editor</i> .
BM23252	French translation of a command in the Tools menu: Lancer Jigboard.
BM23253	Version error in the <i>SEE Converter</i> dialogue.
BM23254	In the French version, the <i>SEE Converter</i> dialogues are in English.
BM23255	Message: "Export JSON file(s)" incorrect.
BM23278	Incorrect translation in the Label Export tool for the German version.
BM23297	" File > Import ... " and File > Export ... " modification.
BM23314	Incorrect translation of a label exportation command in the French version.
BM605193	Wrong position of the text in the Symbol display settings from the View section of the Settings window.
BM1300933	In the <i>Terminal Strip</i> Editor of the Spanish software version, change the description for the command " Borna/pin no insertados en esquema ".
BM1401506	Incorrect translation in the <i>SEE Electrical Expert</i> Configurator for the Italian version.
BM1401537	Incorrect title and wrong position of a general setting.
BM1401571 BM1700110	Incorrect translation in the Label export dialogue.

BM23322	In the <i>SEE Electrical Expert</i> Configurator, incorrect French translations for the Log file settings.
BM23335	In the Format Definition dialogue, a text does not fit the size of the respective button.
BM 23343	Several incorrect translations in the French version.
BM23364	Incorrect translations in the Protection Settings category of the <i>SEE Electrical Expert</i> Configurator.
BM23369	Incorrect translation in <i>Option&Variants</i>
BM23374	Incorrect Behaviours/Functions of symbols
BM23377	To correct the message displayed when Process > Automatic insertion of Harness Connective Equipment is launched.
BM23378	Incorrect translation in the <i>Harness</i> method.
BM23380	Message to correct in Harness Sheet.
BM23382	Incorrect translation of contextual command on equipment symbols in a Harness Sheet.
BM23390	Incorrect translation of the " Purge project during project closing " option in the General settings of the German version.
BM23399	Incorrect translation in the Protection Key category of the <i>SEE Electrical Expert</i> Configurator for the French version.
BM1700112	Incorrect translation in the <i>SEE Electrical Expert</i> Configurator for the Chinese version.

- Label Export related messages

- ✓ In the **Settings** and **Label export** dialogue windows, corrected some options / settings in order that better relevance, accuracy and texts consistency are achieved.
- ✓ For the French version, corrected the translations of some texts (settings and options) in the **Settings** and **Label export** dialogue windows.
- ✓ In the **Plugins Manager** section of the *SEE Electrical Expert* Configurator, corrected the names and descriptions of the plugins for label export.

Protection

BM23313	When the "Essential" bundle is used, it is impossible to open the CAD Properties dialogue of an inserted cable.
BM23333	Impossible to launch <i>SEE Electrical Expert</i> right after specifying a "HASP local" protection type.
BM23375	With a "Flex server" license, it is impossible to use the Layout Editor.
BM23287	With a "Hasp server" license, the <i>SEE Electrical Expert Configurator</i> crashes when switching to the Protection Key settings (in the Security section).
BM23324	Possible to extract data from the database with a Simplified BOM.

Symbol Editor

BM23264	The text alignment to Right/Left of the displayed attributes is inverted (wrong) in their Text Properties windows .
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Translation

BM23223	The case of some texts is not kept after their translation.
BM23281	Some terms/texts that exist in the translation database are not translated.
BM23361	While setting a translation into a New Project, in the dialogue for destination location selection it is impossible to open a folder via double click.

A.3. KNOWN ISSUES AND WORKAROUNDS

Issues to be fixed in V4R3 Service Pack 2 (4.82/A)

- SEE Electrical Expert Configuration
 - ✓ In the **Plugins Manager** section, plug-ins are sorted alphanumerically.
- Label Export
 - ✓ When the sorting mode is by "Sheet" or "Location", ability to sort alphanumerically the equipment.
 - ✓ Ability to sort terminals alphanumerically when the first sorting criteria is by order in **Sheet Explorer**.
 - ✓ Correction of the "*Wire Label number calculation*" (in the **General** settings) in order that it is able to work with both formulas:
 - ✓ "*-Wires existing: Label number = Wire number * 2*"
 - ✓ "*-Wires not existing: Label number = (Equipment number * 2) – 2*"
 - ✓ A new extraction works even if the settings have been changed since the previous extraction.
 - ✓ Ability to export all the equipment – with and without equipment codes.
Ability to export all terminals even if they have the same equipment code.
 - ✓ Ability to export pins.
 - ✓ **Process > Export SEE labelling Export File** has to generate the file in the location indicated by the path defined in the "*Files generated folder*" frame within the **Label Export** settings window.
 - ✓ Correction of data repetition in files that are generated using the "Grafoplast" format.
 - ✓ Wires sorting able to sort correctly the wires on connections with OPRs.

2D Panel

BM23186	The panel equipment code is counted twice in the Part List.
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Cables

BM22239	"CODE" attribute does not display information at the first insertion of a cable.
BM604715	The wire function is removed when changing the cable marker.

DXF/DWG

BM1602358	When importing a file, the lines are converted in splines.
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Electric Data Explorer

BM22983	Wrong sorting of the Sheets that have numbers with index (when a complement format is defined for the sheet numbering format in the method).
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Environment Method

BM22758	Wrong characters after validation of default attributes defined in the Attributes Method.
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Installation

BM23106	Translation of a module name in Custom installation mode.
BM23220	When French language is selected during the installation and then English is selected for running the software, the "Tips of the day" are missing in English.

List Reports

BM1601863	Filter not working on Terminal symbols.
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Messages

BM23277	Incorrect translation of an option for the Update WD attributes and connection points of symbol process in the French version
BM23308	Texts to be homogenized in the Protection Info category of the Technical Information window.
BM23328	In the French version, incorrect translation of the tooltip to the icon for filtering harnesses.
BM23344	In the French version, when an existing Equipment Code is entered in the Equipment Catalogue , the displayed message is in English.
BM23347	Incorrect translations in the <i>SEE Electrical Expert</i> Configurator.

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<i>BM23418</i>	Options not completely visible in the Connector and Pin Association for Insertion Method
<i>BM1300977</i>	Incorrect translation of a message displayed at project opening in the Spanish version.

Migration

<i>BM23130</i>	Lost translation in a project migrated from V3R7 to V4R2.
<i>BM605173</i>	After migration of a project from V3R7 to V4R2, the WD attributes on some OPR symbols are lost.

Multi Language

<i>BM605195</i>	The modification of the location description for a Location symbol is not propagated to the other Location symbols from the same location
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Multi-User

<i>BM1300953</i>	In the Sheets tab of the Electric Data Explorer , the Sheets opened by another user are not displayed in red pen.
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Printing

<i>BM1401542</i>	When printing the project in PDF format (i.e. generating a <i>PDF</i> file), some entities are missing.
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Protection

<i>BM23090</i>	Impossible to change the software language when <i>Internet License Server Protection</i> is used.
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Schematic Editor

<i>BM23232</i>	OPR symbols: When multiple OPR symbols are inserted, the WD attributes, which are to display the respective Source and Destination tags, have wrong values.
<i>BM23376</i>	Channel / Line Group symbols: In the Properties dialogues of these symbols, it is impossible to enable the " Limited propagation " check box.
<i>BM605140</i>	Dynamic zoom does not work when a command (from the Edit or Insert menu) is activated.

Sheets Explorer

<i>BM23330</i>	Functionality for displaying only texts and drawings: When the respective icon is activated, grouped entities or objects are not taken into account.
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<i>BM23420</i>	Impossible to create a Location on a newly created Group.
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Synoptic Editor

<i>BM605149</i>	When a prefix and/or a suffix is used in a symbol attribute, the respective value is printed twice (overwritten).
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Title Block

<i>BM23284</i>	Incorrect Metacommand attributes list
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Translation

<i>BM23234</i>	The list of the not translated terms is different depending on whether the database has been accessed (from the Translation window) before running the translation process on a project, or not.
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A.4. LIMITATIONS AND RESTRICTIONS

A.4.1. SEE ELECTRICAL EXPERT

- ✓ SEE Electrical Expert cannot be run under *Windows XP*.
- ✓ *SEE Electrical Expert V4R3 Service Pack 1 (4.81/D)* needs a **Flex LM** version that is equal or upper to **11.14.02** in order 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 you can make modifications in the "main" language only.
- ✓ 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.

A.4.1. SEE ELECTRICAL 3D PANEL

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

A.4.2. 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*. It is compatible with the 32 and 64 bits versions of *MS Excel* 2010, 2013 and 2016.
- ✓ It is not possible to add variables in Block Param Editor for blocks of layout or harness.

A.4.3. CONCURRENT ENGINEERING MODULE (MULTI-USER MODE)

- ✓ The *Concurrent Engineering* module (Multi-User mode) works with MS SQL Server 2012 and 2014 databases for project data storage.
- ✓ The *Concurrent Engineering* module needs *SEE User Access*.
- ✓ The **Close project without saving** functionality does not work in Multi-User mode (*Concurrent Engineering* module).

A.4.4. OPEN DATA MODULE

- ✓ The *Open Data* module needs *MS Excel*.

A.4.5. END FITTING MODULE

- ✓ To migrate the data stored (until V4R1) in cable attributes to the new extremity attributes in V4R3, the "End Fitting migration to V4R3 (4.80)" plugin must be installed and enabled.

A.4.6. 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.

A.4.7. MACRO

- ✓ To execute a macro in *SEE Electrical Expert* versions greater or equal to V4R3, you need to have a **VBA version 7.1 32 bit** (not 64 bit) installed.

A.4.8. SMARTEAM INTEGRATION MODULE

- ✓ The *SmarTeam Integration* module of *SEE Electrical Expert* V4, V4R1, V4R2, and V4R3 supports the SmarTeam releases V5R19 to V5R27.

A.5. COMPATIBILITY WITH OTHER IGE+XAO PRODUCTS

A.5.1. SEE PROJECT MANAGER

SEE Electrical Expert V4R3 Service Pack 1 (4.81/D) is compatible with *SEE Project Manager* **V8R2** SP 7 - Patch K or L, and **V8R3** Patch C.

A.5.2. SEE ACCESS CONTROL

SEE Electrical Expert V4R3 Service Pack 1 (4.81/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*.

A.5.3. SEE AUTOMATIC DIAGRAM GENERATION

SEE Electrical Expert V4R3 Service Pack 1 (4.81/D) supports the version V4.80/A of *SEE Automatic Diagram Generation*.

A.5.4. SEE ELECTRICAL 3D PANEL

SEE Electrical Expert V4R3 Service Pack 1 (4.81/D) supports **V1R4 Service Pack 1** of *SEE Electrical 3D Panel*.

A.5.5. SEE ELECTRICAL JIGBOARD

SEE Electrical Expert V4R3 Service Pack 1 (4.81/D) supports the version **V4R7** of *SEE Electrical Jigboard*.

A.6. SYSTEM REQUIREMENTS

A.6.1. ADVISED 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, but with some 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, along with the 3D Parts library, provided by default.
- Graphic Card: full support of OpenGL required, as well as 1 GB of dedicated memory.

A.6.2. 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*.

A.6.3. VIRTUAL SOLUTIONS COMPATIBILITY

SEE Project Manager and *SEE Electrical Expert* are compatible with Microsoft App-V and VMWare virtual solutions.

Microsoft App-V or VMWare

No compatibility issues with these two virtual solutions.