

# Release Notes

## **SEE Electrical Expert V4R2 Service Pack 8 (4.48/A)**

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**A CHANGES AND ENHANCEMENTS MADE IN SEE ELECTRICAL EXPERT V4R2 SERVICE PACK 8 (4.48/A) COMPARED TO V4R2 SERVICE PACK 7 (4.47/B)**

**A.1. NEW FEATURES AND ENHANCEMENTS**

**Multi-Language:**

- Possible to rename a language: the **Replace language** node of the **Project** section in the **Tool box** window allows you to rename the languages currently defined in the project.

**Project data control:**

- Data consistency control is performed on projects at their opening or migration. When a project database is damaged, the respective process attempts to repair automatically the project. In case this cannot be done, project opening is blocked – you have to contact our technical support.

**Other:**

- The **Release Notes** and **What's New** documents can be accessed from the menu <?>.

**A.2. FIXED ISSUES**

**Blocks**

<i>BM22598</i>	When inserting two blocks, two different cables are displayed on a connection with the same tags.
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**Cables**

<i>BM20303</i>	In the Terminal Strip Editor, it is not possible to insert several strands through a single execution of the <b>Connect Available Strands</b> pop-up command.
<i>BM1401501</i>	When copying and pasting a symbol connected to a cable, the property indicating whether the symbol is connected or not is wrong.

**Copy/Paste**

<i>BM1401502</i>	When a sheet is copied and pasted by using the <b>Paste Special</b> command the symbols attributes are displayed outside the sheet.
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**Crash**

<i>BM1401532</i>	The application crashes during the generation of PDF files if a sheet contains particular hyperlinks.
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## Release Notes

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### DWG/DXF

BM1401530	After import of a DWG file, its graphics are placed out of the sheet, and their position is rotated compared to the original one.
BM21909	Incorrect result after importation of a DWG file in <i>SEE Electrical Expert</i> .
BM605080	Wrong results after a diagram exportation into DWG format - tags, references and text are incorrectly offset.

### Environment Catalogue

BM22314	When importing Equipment from another catalogue, the selected directory appears empty at the first selection.
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### Environment Method

BM22567	Missing data (empty pane) in the <b>Numbering</b> tab of the <b>Symbol's Tagging</b> method for Cables.
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### Label Export

BM19241	The process must export the Gauge values obtained from the connections <b>CAD Properties</b> windows, and only in case of empty value – use the Gauge value specified in the <b>Signals</b> method.
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### List Reports

BM1401365	When generating wire lists, some of the "From"/"To" attributes are inverted.
BM605135	The "[START]" and "[END]" attributes inserted in the titles of the generated lists do not work (except for the French version).
BM23012	After generation of a Terminal Strip sheet, the cables are no more extracted in the generated Part Lists.
BM22970	Missing data in a generated Part List sheet.
BM22699	Incorrect sorting on revision indexes.

### Location

BM1700039	Incorrect Equipment Label when inserting a connector.
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### Messages

BM22979	Incorrect translation of the <b>Reach Sheet...</b> pop-up command.
BM22963	Incorrect message when using the <b>Paste Special</b> command to paste sheets from one folder to another.

### Migration

BM22929	On a project migrated from V3R7 to V4R2, connection types are changed when updating Renault environment.
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**Open Data**

BM22666	Impossible to export Wiring Diagram attributes.
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**Parameter Sheet**

BM22834	The metacommand \$PL does not work in Symbol Parameter Sheets (\$LIST: SYMBOL).
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**Protection**

BM23116	LiveUpdate does not start if the Softlock protection is activated.
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**Revision Index**

BM22117	After an update of a generated Cable or Connection sheet, its revision index is not kept the same.
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**Schematic Sheet**

BM1700096	The connector's attributes "\$NOTE_1", "\$NOTE_2" and "\$NOTE_3" cannot be displayed in the Schematic diagram.
BM1300954	A contact symbol has references from a different class.
BM605077	Not possible to change the colour of several selected objects (using the <b>Pen</b> icon:  from the Selection Mode toolbar).
BM23221	The log file generated at the execution of the <b>Tools &gt; Control...</b> command is impossible to be saved.
BM22953	A protected project is impossible to be used as a template project.
BM22713	Data is lost when trying to save under a different name (using the <b>Save As</b> command) a protected project that is not previously saved with its original name.
BM22374	If a text is shown in two languages, when the " <b>Shift + left click</b> " shortcut is used to separate the two values displayed and move just one of them, both texts are visualized moving.

**Synoptic Editor**

BM23196	Impossible to link two OPR symbols.
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**Terminals**

BM22550	The <b>Sort Strands</b> pop-up command in the Terminal Strip Editor does not work.
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**VBA API**

BM22972	When creating sheets from a XLS file exported by automatic diagram generation, the "Root" and "Order" variables of blocks are not used for tagging.
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**Web Catalog**

BM22003	Impossible to download an Equipment Code when a firewall is active.
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**Xelec Converter**

BM604973	Not possible to generate a Terminal Strip sheet in a converted project.
BM23081	After the conversion, the value of the "Function" property of a converted Xelec component is not correctly retrieved as value of the Function attribute of the respective symbol.
BM23037	Impossible to migrate a project if the "Convert the table of content in drawing" option is enabled.

**2D Panel**

BM23052	Impossible to remove the additional Equipment Code assigned to a cabinet.
BM22971	The cabinet's additional Equipment Code is doubled each time when the <b>CAD Properties</b> dialogue of the cabinet is validated.
BM23189	Navigation between Layout Sheets not working correctly when some of them are zoomed.

**3D Panel**

BM23087	Incorrect result obtained after the importation of a DWG file.
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**A.3. KNOWN ISSUES AND WORKAROUNDS**

**Cables**

BM1401446	The <b>Organize strands</b> button in the Cable <b>CAD Properties</b> window does not work when the window is called from EDE.
BM1300972	When inserting a strand with the <b>Ctrl</b> key pressed, impossible to select more than one connections and perform multiple insertion.
BM23242	After execution of the <b>Update Cabling</b> process, the re-connected wires appear on the wrong side of the terminal strip.

**Connectors**

BM1700107	Incorrectly displayed connection information (From/To) when switching between the Connector editor and Schematic sheet.
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**DWG/DXF**

BM1401534	After exporting a sheet in a DWG format and opening the file in AutoCAD, the displayed cross-references graphics are wrong
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**List Reports**

BM1602074	The “ <b>Symbols with no tag</b> ” option in the <b>Equipment editing</b> method does not function properly.
BM605147	The list of signal numbers is not updated after modifying or deleting a connection.
BM23113	In a generated Cable sheet, cable heads are offset.

**Migration**

BM605173	After migrating a project from <b>V3R7</b> to <b>V4R2</b> , the WD attributes on some <b>OPR</b> symbols are lost.
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**Multi-user Projects**

BM1700105	Multi-user projects that are hosted in a repository have slow loading times when modified, especially at trying to rename a group.
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**Schematic Sheet**

BM1700046	Impossible to insert multiple <b>Wiring Diagram</b> symbols consecutively when symbols with additional Equipment Codes exist in the sheet.
BM605088	Impossible to change the visibility of the <b>\$POS_CROREF</b> attribute if it is empty.
BM23164	The <b>Assign Equipment Automatically</b> command has to be by default invisible in the <b>Process</b> menu.
BM22205	During controls (launched via <b>Tools &gt; Control...</b> ), the “ <b>Devices without function</b> ” control (when enabled) processes also the terminal strips and connectors (for which a separate control option is available), and returns errors.

**Sheets Explorer**

BM605049	When using the <b>Replace sheet attributes</b> pop-up command, certain Polish diacritic characters are impossible to be entered into the respective “ <b>Value</b> ” fields because they are interpreted as <i>Windows</i> commands. Cyrillic text cannot be directly pasted into the fields and must be typed.
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**Terminals**

BM604548	When a separator is inserted between two terminals, the particular option for displaying all wires of a given cable on one generated Terminal Strip sheet, and not have the cable divided on several sheets, is not taken into account by the generation process.
BM23184	In a generated Terminal Strip sheet, the locations descriptions retrieved by the <b>\$Loc_Descr_Origin</b> and <b>\$Loc_Descr_Dest</b> metacommands are both displayed on a cable, even if it belongs only to the Origin or the Destination location.

**Title Block**

BM22803	The \$PRODUCT_VERSION metacommand does not retrieve a complete value – the service pack of the software version is not displayed.
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**VBA API**

BM1700098	User toolbars, defined for using particular macros, are dimmed (inactive) after restarting the application and re-opening the previously closed project..
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**Xelec Convertor**

BM605178	The \$Function metacommand must not be removed from symbol's definition but only hidden – its respective properties must be: <b>Visible: "No", Printable: "No"</b> .
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## **A.4. LIMITATIONS AND RESTRICTIONS**

### **A.4.1. SEE ELECTRICAL EXPERT**

- ✓ *SEE Electrical Expert* V4R2 Service Pack 8 (4.48) needs version equal or higher to version **11.14.0.2** of **Flex LM** to use this type of protection. The "**Visual C++ Redistribute for Visual Studio 2015**" component must be installed on the server where the Flex LM is installed. Normally this component is automatically installed with the Windows Update.
- ✓ The **multi language features** of the project are protected by the "**Translation**" license. Editing text or attributes can be carried out in every project language, only if you have the "Translation" module included in your license.  
If you do not have the "Translation" module, you are allowed to consult every project language but you can modify the "main" language only.
- ✓ The migration process does not recreate the **hyperlinks** in projects created with previous versions of *SEE Electrical Expert*. To have the hyperlinks available on migrated projects you have to rebuild the cross reference and 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 V4R2.
- ✓ **SEE Equipment Database** supports MS SQL Server 2008, 2012 and 2014 ("PartList Manager" license is required).  
Versions greater or equal to V4 no longer support MS SQL or Oracle database for parts list processes.



#### **A.4.2. SEE ELECTRICAL 3D PANEL**

*SEE Electrical 3D Panel* cannot be run on Windows XP.  
*SEE Electrical 3D Panel* has its own installer and is not installed with the *SEE Electrical Expert* installer.

#### **A.4.3. CABINET THERMAL CALCULATION MODULE**

*Cabinet Thermal Calculation* module is not supported on *Windows XP*.

#### **A.4.4. SEE AUTOMATIC DIAGRAM GENERATION MODULE**

The *SEE Automatic Diagram Generation* module has its own installer and is not installed with the *SEE Electrical Expert* one.  
The *SEE Automatic Diagram Generation* 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.4.5. CONCURRENT ENGINEERING MODULE (MULTI-USER MODE)**

The *Concurrent Engineering* module (Multi-User mode) works with *MS SQL Server* 2012 and 2014 databases to store projects.  
The *Concurrent Engineering* module needs *SEE User Access*.  
The **Undo/Redo** and **Close project without saving** functionalities do not work in Multi-User mode (*Concurrent Engineering* module).

#### **A.4.6. OPEN DATA MODULE**

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

#### **A.4.7. END FITTING MODULE**

To migrate the data stored in cable attributes (until V4R1) to the new extremity attributes in V4R2, the "End Fitting migration to V4R2 (4.42)" plugin must be installed and activated.

#### **A.4.8. 3D PANEL FOR SOLIDWORKS MODULE**

The old *3D Panel for SolidWorks* module is no longer supported by *SEE Electrical Expert* versions greater or equal to V4R2.

A 3D panel layout created with this module (before V4R2) cannot be migrated to the new *3D Panel* module.

#### **A.4.9. MACRO**

To execute a macro in *SEE Electrical Expert* versions greater or equal to V4R2, you need to have VBA version 7.1 32 bit (not 64 bit installed).

### **A.5. COMPATIBILITY WITH OTHER IGE+XAO PRODUCTS**

#### **A.5.1. SEE PROJECT MANAGER**

*SEE Electrical Expert* V4R2 Service Pack 8 (4.48/A) is supported by *SEE Project Manager* V7R9, V8R1 and V8R2.

#### **A.5.2. SEE ACCESS CONTROL**

*SEE Electrical Expert* V4R2 Service Pack 8 (4.48/A) supports only version 4.50/E of *SEE User Access*.

Customers using older versions of *SEE User Access* have to migrate their databases with the *SEE User Access Admin Tool*.

#### **A.5.3. SEE AUTOMATIC DIAGRAM GENERATION**

*SEE Electrical Expert* V4R2 Service Pack 8 (4.48/A) supports *SEE Automatic Diagram Generation* with versions that are greater or equal to 4.42/E.

#### **A.5.4. SEE ELECTRICAL 3D PANEL**

*SEE Electrical Expert* V4R2 Service Pack 8 (4.48/A) supports *SEE Electrical 3D Panel* versions that are greater or equal to V1R2 Service Pack 1.

## **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 installed on 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 software's performance on your computer, the use of an SSD hard drive is recommended.
- 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; possible to use EXPRESS EDITION version, 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 software's performance on your computer, the use of an SSD hard drive is recommended.
- Network Card: 1 GB.
- Graphic Card: 1280 x 1024.

#### **For 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 V4R2 Service Pack 8 (4.48) 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 (with exception of the "SEE Electrical 3D Panel" and "Cabinet Thermal Calculation" modules).

### **A.6.3. VIRTUAL SOLUTIONS COMPATIBILITY**

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

## **Citrix**

### **Advised System Configuration (Citrix Servers hosting clients):**

#### *Minimal Configuration:*

- Windows Server 2008 (64 bits).
- Processor: 2 GHz.
- RAM: 4 GB + 2 GB by client.
- Required disk space: 2 GB.
- Graphic Card: 1024 x 768 – 256 colours, 128 MB RAM.
- Network Adapters: 100 Mbps.

#### *Recommended Configuration:*

- Windows Server 2008 R2 (64 bits).
- Processor: Dual Core, 3.6 GHz.
- RAM: 8 GB + 4 GB by client (48 GB for 10 users).
- Required disk space: 30 GB.
- Graphic Card: NVIDIA, 512 MB RAM.
- Network Adapters: 1 Gbps, or more.

### **Registry Key:**

For each installation, **the Citrix client profiles must be reset**. The modifications in the HKLM registry key are only taken into account when you log on with a blank profile to update it. Keep in mind that the Citrix profiles that are not reset may not be updated.

A check whether the Citrix profiles contain printer mapping, or whether the network disk is accessible is performed. In fact, when connecting to the Citrix server, or when using an application, the printer is searched on the company network and your monitor will be "frozen" for a long time. (This problem is not a software issue.)

### **Disk Space:**

Avoid sharing dedicated disk space to other users. A mapping on "C:\\" has to be created for each user.

**Graphic Card:**

According to the Citrix Server Settings, some pixel transfers or display orders will be provided to the client computer.

It is recommended to use pixel transfer, rather than display orders, because display orders are not correctly used by some graphic cards.

**Computer Architecture:**

Give priority to the 64 bits' version of Citrix server.

The standby mode of the Citrix client requires that the Citrix server is repeatedly re-connected. Therefore, it is recommended that the standby mode is set to one hour instead of ten minutes.

**Microsoft App-V or VMWare**

No compatibility problems with these two virtual solutions.