Release Notes

SEE Electrical Expert
V4R2 Service Pack 10 (4.49/C)

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I. Changes and Enhancements Made in *SEE Electrical Expert* V4R2 Service Pack 10 - 4.49/C (final version) Compared to V4R2 Service Pack 9 - 4.49/B

I.A. New Features and Enhancements

Not specified.

I.B. Fixed Issues

2D Panel

BM23531	The sheet number displayed on the illustration is changed incorrectly when validating its CAD attributes.

Connectors

BM23536	When generating several Connectors with [$Group] specified as a destination group (for the sheets generation), only one sheet is generated in the correct destination

DWG/DXF

BM23630	*DWG* importation in FAUCHE context does not work.

Equipment Catalogue

BM23710	Crash when opening the **Contact Definition** dialogue.

List Reports

BM23265	When exporting a Part List in an Excel file, some lines are generated twice.
BM23396	Impossible to generate a correct Part List when a new Equipment Code is added in the defined Extraction.
BM1401590	Some information is not extracted in the Part List.

Migration

BM23760	Lost WD attributes on some OPR symbols when a project is migrated from V3R7 to V4R2.

Multilanguage

BM23521	The metacommand $REV_LIB:X+0/R (French version) does not work in the Summary if set to be translatable.

Protection

BM605232	With an Internet protection, the software works much slower when connected to Internet than without such protection.

Schematic Editor

BM23532	Lost value of a WD attribute when moving an OPR symbol
BM23553	Connection visibility problem when the Line Style (used for the connection representation) is a double line.

Terminal Strips

BM22656	Incorrect graphics of a multi-level terminal strip when renaming terminals (changing the numbers).

Translation

BM23562	Crash when translating the Summary sheet.
BM23597	Some terms are not translated even if they exist in the terms database.
BM23598	The translation test does not work.
BM23675	Even if the term is in the database, it is not translated.
BM1401591	When a not translated term is added in the dictionary (and then respectively translated), the translation process does not take it into account.
BM1602492	The terms which contain the line break character (i.e.: #) are not translated.

I.C.   Known Issues and Workarounds

Issues to be fixed in V4R2 Service Pack 10 (4.49/D)

Blocks

BM23692	Different wiring attributes between V3R7 and V4R2 in batch mode.

Connectors

BM23758	Impossible to validate the pin CAD Attributes when an alphabetical value is entered for the number of the pin.
BM23768	Lost the Equipment Code in the pin's CAD attributes when changing the pin number.

Equipment Catalogue

BM23795	Impossible to display all classes when creating an assembly.
BM23822	When creating a filter for the equipment catalogue, some relations do not work correctly.

Harness Sheet

BM23755	The cable length is not correct when a cable has its two extremities connected at two splices which have an extra length.

Other

BM23647	User Rights: Impossible to manage the terms database with *SEE Access Control*.
BM23728	Multi Manufacturer: This functionality does not work.
BM23814	SEE Extract: The virtual master is not extracted.

Printing

BM1401611	Crash when exporting the sheets in SVG format.

Schematic Editor

BM23812	When changing the location via the command: **Process > Assign > Location and Equipment Code…** the Location attribute is not refreshed on symbols.

I.D.   Limitations and Restrictions

I.D.1. SEE Electrical Expert

✓ *SEE Electrical Expert* V4R2 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.

✓ The **multi language features** of the project are protected by the **"Translation" license**.
Editing text 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 previous versions of *SEE Electrical Expert*. To have the hyperlinks available on migrated projects you need 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 choose "Never" from the drop-down list available for the **"View documents in PDF/A mode"** setting.

✓ SEE **Workspaces** (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 ("Part List Manager" license is required).

✓ Versions that are greater or equal to V4 **do no longer** support *MS SQL* or *Oracle* databases **for the parts list** processes.

I.D.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** *SEE Electrical Expert*.

I.D.3. Cabinet Thermal Calculation Module

✓ The *Cabinet Thermal Calculation* module does not work on *Windows XP*.

I.D.4. 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.
✓ *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.5. 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 **Undo**/**Redo** functionality and the option **"Automatically save project content when closing project"** (in the *Settings* window) if **not enabled** do not work in Multi-User mode (*Concurrent Engineering* module).

I.D.6. Open Data Module

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

I.D.7. End Fitting Module

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

I.D.8. 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 V4R2.
✓ A 3D panel layout created with this module (before V4R2) cannot be migrated to the new *3D Panel* module.

I.D.9. Macro

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

I.E.   Compatibility with Other IGE+XAO Products

I.E.1. SEE Project Manager

SEE Electrical Expert V4R2 Service Pack 10 (4.49/C) is compatible with *SEE Project Manager* **V7R9, V8R1 and V8R2**.

I.E.2. SEE Access Control

SEE Electrical Expert V4R2 Service Pack 10 (4.49/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 V4R2 Service Pack 10 (4.49/C) supports *SEE Automatic Diagram Generation* versions that are greater or equal to **4.42/E**.

I.E.4. SEE Electrical 3D Panel

SEE Electrical Expert V4R2 Service Pack 10(4.49/C) supports *SEE Electrical 3D Panel* V1R2 and V1R3.

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, 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.

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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 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.

I.F.2. Windows Compatibility

SEE Electrical Expert V4R2 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**, **except** for the *SEE Electrical 3D Panel* and *Cabinet Thermal Calculation* modules.

I.F.3. Virtual Solutions Compatibility

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

Citrix

Recommendations based on the experience acquired by customers:

Advisable 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: NVDIA, 512 MB RAM.
- Network Adapters: 1 GB, 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 in order for it to be updated. Otherwise, a risk exists that a not reset Citrix profile is not updated.

A check whether the Citrix profiles contain printer mapping, or if 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. In this case, your monitor will be "frozen" for a long time (but 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 that you 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 the 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 issues reported.