

# Release Notes

## SEE Electrical Expert V4R2 Service Pack 11 (4.49/F)

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## I. Changes and Enhancements Made in *SEE Electrical Expert V4R2 Service Pack 11 - 4.49/F* Compared to *V4R2 Service Pack 10 - 4.49/E*

For security reasons, we use a certificate in order to ensure that the *SEE Electrical Expert* license you use is digitally signed by IGE+XAO.  
On the versions you are using, this certificate **is valid until June 16, 2018**.  
You are **imperatively required to install before this date** a new valid certificate, by installing the current *V4R2 SP11* update.

### I.A. New Features and Enhancements

Not specified.

### I.B. Fixed Issues

#### *2D Panel*

|                  |  |
|------------------|--|
| <i>BM1401624</i> | When a Layout Sheet is printed, the graphical objects are not displayed. |
|------------------|--|

#### *Cables*

|                |   |
|----------------|---|
| <i>BM23976</i> | On the generated Cable sheets, the additive equipment code is displayed instead of the main equipment code. |
|----------------|---|

#### *DXF/DWG*

|                |  |
|----------------|--|
| <i>BM23955</i> | Missing data when exporting a sheet in a DXF file. |
|----------------|--|

#### *List Reports*

|                  |  |
|------------------|--|
| <i>BM1401622</i> | The generated sheet does not contain the hyperlinks.         |
| <i>BM1700103</i> | Incorrect position of quantity after a Part List generation. |
| <i>BM1700127</i> | Wrong result obtained from comparing two editions.           |

### Methods

|         |   |
|---------|---|
| BM20743 | Crash when clicking on the OPR Selection tab in the Signals method. |
|---------|---|

### Terminals

|         |   |
|---------|---|
| BM24001 | When deleting a terminal in a sheet, it is also deleted in the Terminal Strip editor.               |
| BM24016 | The selected terminal sorting is not saved for all terminal strips (with the customer environment). |

### Schematic Editor

|         |  |
|---------|--|
| BM21267 | When inserting a cable, the text properties (alignment) of the base attribute are incorrect if its value contains the "#" character. |
|---------|--|

## I.C. Known Issues and Workarounds

### Issues to be fixed in V4R2 Service Pack 11 (4.49/G)

#### Printing

|         |   |
|---------|---|
| BM23426 | When creating a PDF file, a space is generated in the attribute value (Except correction of the PDF library). |
|---------|---|

### Enhancements to be made in V4R2 Service Pack 11 (4.49/G)

- Event on PDF generation to be added, in order to enable creation of specific hyperlinks.

## 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.
- ✓ **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 higher 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 higher 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 higher 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 11 (4.49/F)* is compatible with *SEE Project Manager V7R9, V8R1 and V8R2*.

### I.E.2. SEE Access Control

*SEE Electrical Expert V4R2 Service Pack 11 (4.49/F)* 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 11 (4.49/F)* supports *SEE Automatic Diagram Generation* versions that are higher or equal to **4.42/E**.

### I.E.4. SEE Electrical 3D Panel

*SEE Electrical Expert V4R2 Service Pack 11 (4.49/F)* supports *SEE Electrical 3D Panel* versions that are higher or equal to **V1R2**.

## 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.

#### **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: NVIDIA, 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.