

Release Notes

SEE Electrical Expert V4R3 Service Pack 5 (4.85/B)

Table of Contents

Release Notes.....	1
I. Changes and Enhancements Made in <i>SEE Electrical Expert V4R3 Service Pack 5 (4.85/B)</i> Compared to V4R3 Service Pack 5 (4.85/A).....	3
I.A. New Features and Enhancements.....	3
I.B. Fixed Issues	3
I.C. Known Issues and Workarounds.....	4
I.D. Limitations and Restrictions	7
I.D.1. SEE Electrical Expert.....	7
I.D.2. SEE Automatic Diagram Generation Module	8
I.D.3. Concurrent Engineering Module (Multi-User Mode)	8
I.D.4. Open Data Module.....	9
I.D.5. End Fitting Module.....	9
I.D.6. 3D Panel For SolidWorks Module	9
I.D.7. Macro	9
I.D.8. SmarTeam Integration Module.....	9
I.E. Compatibility with Other IGE+XAO Products.....	10
I.E.1. SEE Project Manager	10
I.E.2. SEE Access Control	10
I.E.3. SEE Automatic Diagram Generation.....	10
I.E.4. SEE Electrical Jigboard	10
I.F. System Requirements.....	10
I.F.1. Advisable System Configuration.....	10
I.F.2. Windows Compatibility	11
I.F.3. Virtual Solutions Compatibility	12

I. Changes and Enhancements Made in *SEE Electrical Expert V4R3 Service Pack 5 (4.85/B)* Compared to *V4R3 Service Pack 5 (4.85/A)*

I.A. New Features and Enhancements

Installation

- Integrated the standalone version *SEE Electrical 3D Panel V1R6*, so that it can be automatically installed during a relevant Customized installation of *SEE Electrical Expert V4R3 SP5 (4.85/B)*.

Batch Mode

- On the VBA level, possible the management of both PDF/A and PDF formats.

I.B. Fixed Issues

Batch Mode

<i>ID4600</i>	Impossible to generate the intermediate terminal strips.
<i>ID4602</i>	Incorrect symbol label when inserting a block in Manual mode.

Control

<i>ID5722</i>	The control: "Device without function" does not work.
---------------	---

Electric Data Explorer

<i>ID2372</i>	Electrical data control: No difference between the displays of error and warning.
---------------	---

PLC I/O Manager

<i>ID5611</i>	Impossible to generate a configuration with an I/O interface.
---------------	---

Report Lists

<i>ID5789</i>	Missing some quantities when generating a Part List.
<i>ID6006</i>	Extraction problem when using ADDITIVE_CODE1 to ADDITIVE_CODE6 metacommands.

Terminals

<i>ID4588</i>	Impossible the generation of different types of terminal strips in the same sheet.
---------------	--

Title Blocks

<i>ID4003</i>	Some metacommands are always in English, irrespective of the software language.
---------------	---

Translation

<i>ID5601</i>	The same sentence is translated in different case.
<i>ID5602</i>	Incorrect translation of the same word in different - Upper/lower case.
<i>ID6089</i>	Crash when adding terms in the database.

I.C. Known Issues and Workarounds

Issues to be fixed in V4R3 Service Pack 6 (4.86/A)

2D Panel

<i>ID5507</i>	Incorrect attribute position when modifying the equipment code of an illustration.
---------------	--

Cables

ID4546	Updating the wire list deletes the connective devices.
--------	--

Configurator

ID5762	Impossible to find the environment path.
--------	--

DXF/DWG

ID4122	After exportation, the "newline", used to display the value of a symbol attribute on two lines, is not recognized (overlapping texts in the attribute value)
ID5857	Export: keep the not used contacts hidden.

Ergonomy

ID6332	Wrong window appearance and translation in the V4R3 version.
--------	--

Harness

ID5708	Impossible to copy a harness with its protection.
ID5716	Lost Location property of the connector.

List Reports

ID5513	In the French version, impossible to add manually a new line in the extraction table.
ID5901	Impossible to extract cables without tag.

Migration

ID5890	Impossible to update an environment from V3R7 to V4R2.
--------	--

Options & Variants

ID5954	Impossible to save a wire project (.seewprj) with validity through the Save as command.
ID6299	With the Save as command, some sheets (part lists...) are not updated.

PLC I/O Manager

<i>ID5069</i>	Project attributes not retrieved to the created PLC sheet.
<i>ID5155</i>	Incorrect schematic generation by <i>slf</i> for mixed cards.
<i>ID6492</i>	When the "Use this module?" property of a rack is set to "No", a respective rack sheet is still generated (during the configuration generation)
<i>ID6496</i>	PLC module does not work when a network access path is specified as the environment root directory.

Protection

<i>ID6325</i>	The Stadler Rail plugins are not protected.
---------------	---

Synoptic

<i>ID6139</i>	The table links are not kept invisible when printing.
---------------	---

Terminals

<i>ID5243</i>	Impossible to use a "Show Cable on Several Sheets" option.
---------------	--

Translation

<i>ID4701</i>	Filter on a word does not work.
<i>ID6200</i>	Not deleted non translatable texts

Wire Lists

<i>ID4545</i>	Wire user attributes are not extracted in <i>SEE Electrical Expert</i> from <i>SEE Generative View</i> .
---------------	--

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.
- ✓ **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) saved with versions lower or equal to V4R1 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.
- ✓ **Equipment Catalogue**: the "**Date of update**" field is automatically updated at execution of the relevant functionalities that allow/initiate creation, importation and modification of Equipment Codes
However, there are particular cases when the field is not updated – these are:
 - ✓ 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 field via the command **Tools > Add or Modify field into multiple classes.**
- ✓ **PLC I/O Manager:**
 - ✓ With **Block Generation** option activated (in the **Options** menu), it is **impossible** to export interfaces in the generated PLC sheets (this process is only possible when the **Sif Generation** option is activated).
 - ✓ Impossible to import configurations with formats:
 - FNE, EDI LOG and TXT.
 - ACCESS with a structure different from IGE format.
 - ✓ Impossible to export a configuration.
 - ✓ In a configuration, it is impossible to define several blocks of intermediary cards.
- ✓ **Block Variables Editor:**
 - ✓ does not retrieve attributes from Blocks and Standard Diagrams created in Layout sheets.
 - ✓ retrieves only symbols' Location and Function from Blocks and Standard Diagrams created in Synoptic sheets.

I.D.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** 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.3. Concurrent Engineering Module (Multi-User Mode)

- ✓ The *Concurrent Engineering* module (Multi-User mode) works with MS SQL Server 2012 and 2014 database to store project data.
- ✓ The Concurrent Engineering module **needs SEE Access Control.**
- ✓ 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.4. Open Data Module

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

I.D.5. 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.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.

I.D.7. 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.8. 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 5 (4.85/B) is compatible with *SEE Project Manager V8R2 SP7 - Patch K or L*, and *V8R3 Patch C*.

I.E.2. SEE Access Control

SEE Electrical Expert V4R3 Service Pack 5 (4.85/B) supports only the version 4.50/E of *SEE Access Control*.

Customers using older *SEE User Access* versions have to migrate their databases via the *SEE Access Control Administration Tool*.

I.E.3. SEE Automatic Diagram Generation

SEE Electrical Expert V4R3 Service Pack 5 (4.85/B) supports the version V4.80/A of *SEE Automatic Diagram Generation*.

I.E.4. SEE Electrical Jigboard

SEE Electrical Expert V4R3 Service Pack 5 (4.85/B) 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.