

Release Notes

**SEE Electrical Expert
V4R3 (4.80/B)**

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A CHANGES AND ENHANCEMENTS MADE IN SEE ELECTRICAL EXPERT V4R3 (4.80/B)

A.1. NEW FEATURES AND ENHANCEMENTS

Export to JSON File:

- Ability to export several sheets in one JSON file.
- Ability to export project and sheet attributes in JSON file.

Part List extraction/generation:

- Possibility to extract/generate Part List of a project without environment. *SEE Electrical Expert V4R3 (V4.80/B)* allows you to extract or generate a Part List of a project that is not linked to any environment, or that is linked to an environment different from the original one.

A.2. FIXED ISSUES

Cables

<i>BM1700069</i>	Wrong wire gauge value when exporting a wiring diagram xml file.
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Copy/Paste

<i>BM605079</i>	After migrating a project from V3R6 to the current version of the application, the Cut/Paste on some electrical diagrams does not work.
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Crash

<i>BM605151</i>	The application crashes if you generate a PDF file from a project that contains manually created hyperlinks.
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DXF/DWG

<i>BM22956</i>	The imported DWG file is positioned outside of the sheet.
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Harness Sheet

<i>BM22806</i>	The size of the columns in the CAD Properties window of a harness protection cannot be modified.
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Installation

<i>BM22725</i>	After installing <i>SEE Electrical Expert V4R3</i> , if clean your computer with CCleaner, some errors in the registry base appear and <i>SEE Electrical Expert</i> stops working.
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Messages

BM1300935	Incorrect translation in the contextual menu, when trying to change the sheet number. /Spanish version of the application/
BM1300932 BM1300931	Incorrect contextual commands in the Terminal Strip Explorer . /Spanish version of the application/
BM1300925	Incorrect translation in the Customize window. /Spanish version of the application/
BM22930	Incorrect description of SeeSmarTeamPlugin in SEE Electrical Expert Configuration window.
BM22991	Incorrect message appears when the Translation module is not available. /French version of the application/
BM22962	Incorrect command in the contextual menu, available after right-clicking on a symbol.
BM22943	Incorrect translation of some plugin names. /French version of the application/

Protection

BM1300898	The names of the licenses in SEE Electrical Expert Configuration window (Protection Key section) are missing.
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A.3. KNOWN ISSUES AND WORKAROUNDS

Performance

BM23011	The translation process in V4R2 and V4R3 is slower compared to V3R7.
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A.4. LIMITATIONS AND RESTRICTIONS

A.4.1. SEE ELECTRICAL EXPERT

SEE Electrical Expert V4R3 (4.80/B) needs version equal or higher to version 11.14.02 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 maximal size of the project is 1.8 GB.

The project multi language features are protected with the "Translation" license.

- In case the user has the "Translation" module on his/her license, the user is allowed to edit text or attributes in every project language.
- In case the user does not have the "Translate" module on his/her license, the user can consult every language in the project, but can only edit the "main" language.

The migration process does not recreate the hyperlinks of projects created in V4R1 or previous version of *SEE Electrical Expert*. To recreate the hyperlinks of the migrated project you have to rebuild the cross reference and to generate the part list and table of contents again.

PDF Export: To activate the hyperlinks in Adobe Acrobat Pro, navigate to the **Edit** menu and select the **Preferences...** command. In the **Preferences** window that appears, select the **Documents** category on the left hand side. Navigate to the *View documents in PDF/A mode* option and chose **Never** from the dropdown menu on the right.

SEE Workspace (SWS file / Windows, Toolbars, Menu customization) saved with versions less 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 no longer support MS SQL or Oracle database for parts list processes.

A.4.2. SEE ELECTRICAL 3D PANEL MODULE

SEE Electrical 3D Panel module is not supported on Windows XP.

SEE Electrical 3D Panel module is not installed with the *SEE Electrical Expert* installer. It has its own 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

SEE Automatic Diagram Generation module is not installed with the *SEE Electrical Expert* installer. It has its own installer.

SEE Automatic Diagram Generation module is protected by a license.

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. CONCURENT ENGINEERING MODULE (MULTI-USER MODE)

Concurrent Engineering module (Multi-User mode) works with MS SQL Server 2012 and 2014 databases to store projects.

Concurrent Engineering module needs *SEE User Access*.

The **Close project without saving** functionality does not work in Multi-User mode (*Concurrent Engineering* module).

A.4.6. OPEN DATA MODULE

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 V4R3, the "End fitting" 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 V4R3.
A 3D panel layout created with the old *3D Panel for SolidWorks* (before V4R3) cannot be migrated to the new *3D Panel* module.

A.4.9. MACRO

VBA version 7.1 (32 bits) must be installed to execute a macro in *SEE Electrical Expert* versions greater or equal to V4R3.

A.4.10. SMARTEAM INTEGRATION MODULE

The SmarTeam Integration module of *SEE Electrical Expert* (V4, V4R1, V4R2, and V4R3) supports the SmarTeam releases from V5R19 until V5R27.

A.5. COMPATIBILITY WITH OTHER IGE+XAO INTERFACED PRODUCTS

A.5.1. SEE PROJECT MANAGER

SEE Electrical Expert V4R3 (4.80/B) is supported by SEE Project Manager V8R2 SP 7 Patch K or Patch L, V8R3 Patch C.

A.5.2. SEE ACCESS CONTROL

SEE Electrical Expert V4R3 (4.80/B) supports only version 4.50/E of *SEE User Access*.
If a customer uses an old version of *SEE User Access*, s/he will have to migrate the database with *SEE User Access Admin Tool*.

A.5.3. SEE AUTOMATIC DIAGRAM GENERATION

SEE Electrical Expert (4.80/B) supports V4.80/A of SEE Automatic Diagram Generation.

A.5.4. SEE ELECTRICAL 3D PANEL

SEE Electrical Expert V4R3 (4.80/B) supports V1R3 Service Pack 1 of SEE Electrical 3D Panel.

A.5.5. SEE ELECTRICAL JIGBOARD

SEE Electrical Expert V4R3 (4.80/B) supports 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 installed on 64 bits computer).
- Processor: i3 class, 2 GHz.
- RAM: 4 GB.
- 500 MB of free disk space required for the installation.
- Graphic Card: 1280 x 1024.

For Multi-User Mode (Concurrent Engineering):

There are different requirements 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; it is also possible to run on 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.
- 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, together with the 3D Parts library, provided by default.
- Graphic Card: must have full support of OpenGL, as well as 1 GB of dedicated memory.

A.6.2. WINDOWS COMPATIBILITY

SEE Electrical Expert V4R3 (4.80/B) 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.

SEE Electrical Expert V4R3 (4.80/B) does not support Microsoft Windows XP.

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

There are no compatibility issues with those two virtual solutions.