SEE Electrical V8R5

Installation Guide

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1 Installation of SEE Electrical V8R5

Depending on whether *SEE Electrical* was already installed, or not, follow the instructions below in this chapter. There you will also find information about which parts of the *SEE Electrical* software must be moved to a network directory, what is the procedure when *SEE Electrical* data is used by several users or it is simply installed on a drive.

1.1 Hardware and Operating System

System requirements:

- ✓ Windows 10 or 11 (3D Panel module requires x64 architecture)
- ✓ Processor: 2 GHz or faster processor or SoC
- ✓ Memory (RAM): 4 GB
- ✓ Hard disk space: 1.5 GB (and additional 1 GB for 3D Panel+ module)
- ✓ Graphic card: processor with internal memory not less than 1 GB
- ✓ Display:1024 x 768

Note:

The machine must have a free USB 2.0 port for the dongle and a CD - ROM in case of installation from a CD.

1.2 Rights during Installation

If you work with Administrator and User profiles, there are two procedures for installing and licensing:

- ✓ *The software must be installed, and the dongle programmed under the Administrator's account.*
  If *Windows Home* version is used, it is not possible to enhance the rights for restricted users in the folders. In this case we recommend that you install the program in the *User Documents* folder, because here even users with restricted rights have enough rights.

- ✓ *The User profile must receive Administrator rights during the installation and programming of the dongle. The Administrator rights can be removed after installing and licensing.*
  However, if the user works with the "User with limited rights" property, the administrator must give full access and modification rights for the whole *SEE Electrical* main directory.

1.3 Installation Process

Insert the CD of *SEE Electrical* that you have received from your local distributor or double click the installation file.

The ***Welcome*** window is displayed.

- ▪ Click **Next** to proceed.

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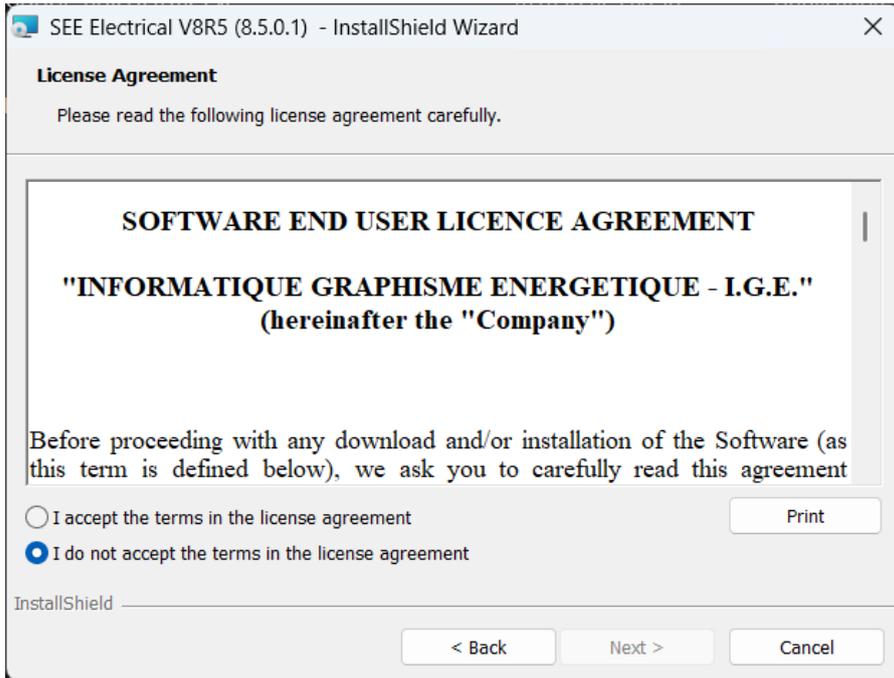
- Read carefully the *End User License Agreement*. Check the *"I accept the terms in the license agreement"* option and click **Next** if you want to proceed.
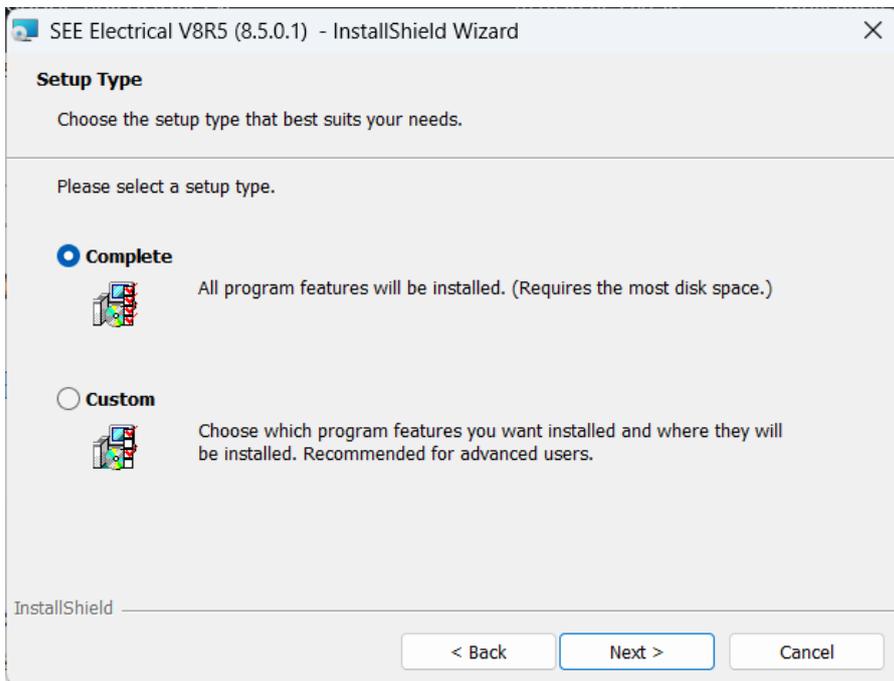
- Select the type of installation.
  "Complete" will install the typical parameters.

Note:

If you select "Custom", you can choose which parameter to install and also change the installation directory.

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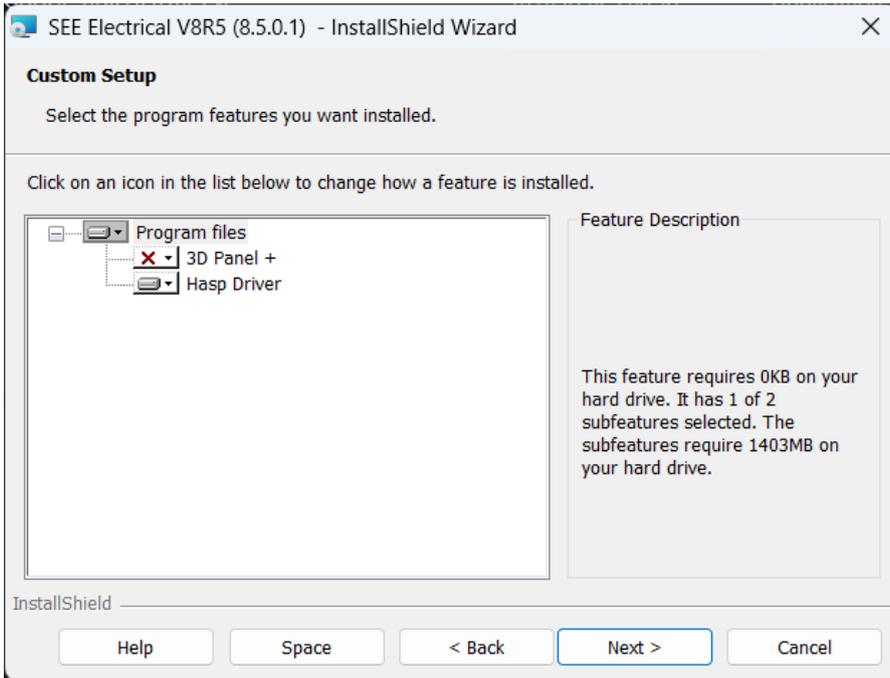
- Click **Next**.
- On the next screen that is displayed, click **Install** to start the installation of the software.
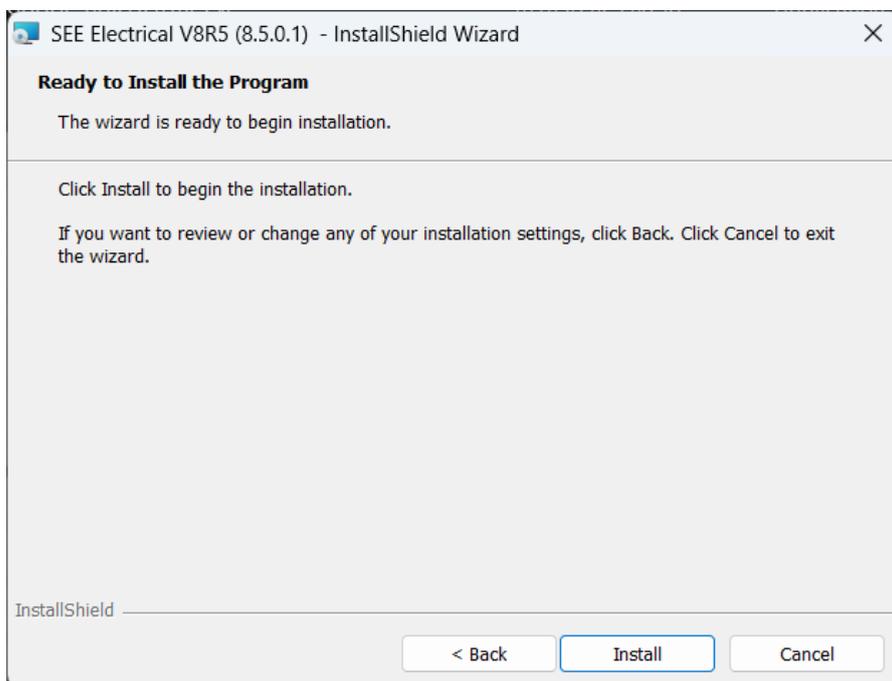
- After the installation has been completed, click **Finish** to exit.
- Unlock the software.
  Depending on whether your version is protected with a softlock or with a dongle or a local license server, you will find more instructions for the unlocking procedure in the appropriately named **License with…** manuals provided with the software.

  If an older version of *SEE Electrical* has been used, you need to overtake your data. How to do this depends on version used before. Please refer to notes on this below in this document.

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2 Location of the SEE Electrical Installation Files

After the installation the files are located in the following directories:

- ✓ The **program files** are located in the installation folder of *SEE Electrical*:
  C:\Program Files (x86)\ETAP\SEE Electrical V8R5\

- ✓ The **settings and temporary files** (*XML* setting files, *OGL* files) are located in the *Public Documents* folder:
  C:\Users\Public\Public Documents\ETAP\SEE Electrical\V8R5

- ✓ The user files (**Projects, Templates, Symbols**) are located in the *Public documents* folder:
  C:\Users\\Public\Public Documents\ETAP\SEE Electrical\V8R5\Projects
  C:\Users\\Public\Public Documents\ETAP\SEE Electrical\V8R5\Symbols
  C:\Users\\Public\Public Documents\ETAP\SEE Electrical\V8R5\Templates

You can access the user data through the available options in the **Windows Start Menu > SEE Electrical** folder.

3 Installation of Workspaces, Symbols and Templates on a Network if No SEE Electrical Version Has Been Installed before

Copy the contents of the ...*Projects*, ...*Symbols* and ...*Templates* directories into the desired network drive. Access rights of the new locations must be set to *Full Access*.

We recommend that you delete or rename the local directories ...*Projects*, ...*Symbols* and ...*Templates*.

- ▪ Start SEE Electrical.
- ▪ From the **File** menu press the **System Settings** button
- ▪ Open the **Folders** tab.
- ▪ Enter the paths to new directories.

4 Update from an Existing SEE Electrical Version (V5R1, V6R1, V7R1, V7R2, V8R1, V8R2, V8R3 or V8R4)

It is not possible to update an existing version of *SEE Electrical* to the new one. If you do not want a parallel installation, please uninstall the existing version before you install the new one.

A parallel installation of old and new versions of *SEE Electrical* is possible, but you have to install the new one in its own folder.

However, it should be noted that projects, page and project templates, equipment databases and symbol libraries that have been converted to the new version, cannot be processed using an older version of *SEE Electrical*.

Make a backup copy of your data **before the uninstallation/installation** procedure: Save the contents of the directories ...*Projects*, ...*Symbols*, ...*Templates (please see notes below).*

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Notes for the Symbols directory:

Copy the symbol libraries you changed yourselves. The Types.ses contains equipment information, so copy this too.
The "System.ses" and "List of text placeholders.ses" files must <u>not</u> be applied because these files are related to the version.
The OGL files from the directory ...\Symbols is also related to the version and must <u>not</u> be saved. No OGL files will be present in future versions.

Notes for the Templates directory:

Files to save:
- ✓ *Wires.mdb (database of wire properties)*
- ✓ *Translation.mdb (translation database)*
- ✓ *Cables.mdb (user defined cable database)*
- ✓ *If you have not created any user defined cable symbols, we do not recommend you to save the Cables.mdb file.*
- ✓ *All files with the endings *.tdw, *.txt, *.dat*
- ✓ *Files with endings *.sep (if you made workspace templates for yourselves)*
- ✓ *The *.cds, *.LbL, *.Lbp, *.Lbv, *.Lst, *.Lsv, *.Lsp. files for the "Lists and labels" module*

Open your workspace templates and page templates once in the new version, so they have the new data format.

The *Templates* folder in *SEE Electrical V8R5* only contains user data. This means that no *.dll*, *SYSTEM.sem* and *.ext* files should be present in the folder.

Note:

If you transfer data from an older version of SEE Electrical than V5R1, you must convert the files. You will find instructions for converting the data under "Conversion of data from V4R1 and older version".

Copy the saved data again into the proper directories.

5 Installation of Workspaces, Symbols and Templates on a Network if an Older SEE Electrical Version Has Been Installed before

A parallel installation of V8R5 and older version of *SEE Electrical* is possible.

However, it should be noted that projects, page and project templates, equipment databases and symbol libraries that have been converted to V8R5, cannot be processed using an older version of *SEE Electrical*.

Therefore, we do not recommend you the parallel installation, if symbols, templates and projects are stored on the network, unless a strict separation can be guaranteed!

- ▪ Make a backup before you perform an uninstall or reinstall.
- ▪ Save the contents of the directories *...\Projects, ...\Symbols, ...\Templates* <u>on the network.</u>

Notes for the Symbols directory:

Copy the symbol libraries you changed yourselves. The Types.ses contains equipment information, so copy this too.
The "System.ses" and "List of text placeholders.ses" files must <u>not</u> be applied because these files are related to the version.
The OGL files from the directory ...\Symbols is also related to the version and must <u>not</u> be saved. No OGL files will be present in future versions.

Notes for the Templates directory:

Files to save:
- ✓ *Wires.mdb (database of wire properties)*
- ✓ *Translation.mdb (translation database)*
- ✓ *Cables.mdb (user defined cable database)*
- ✓ *If you have not created any user defined cable symbols, we do not recommend you to save the Cables.mdb file.*
- ✓ *All files with the endings *.tdw, *.txt, *.dat*
- ✓ *Files with endings *.sep (if you made workspace templates for yourselves)*
- ✓ *The *.cds, *.LbL, *.Lbp, *.Lbv, *.Lst, *.Lsv, *.Lsp. files for the "Lists and labels" module*

Open your workspace templates and page templates once in the new version, so they have the new data format.

6 Conversion of Existing User Data When Using Version V4R1 or Older SEE Electrical Versions

As data in old versions is stored in *Access 2000* database, it is necessary to convert all the files that have been based on an *Access* database in the past: projects, libraries, additional databases.

The Converter for old projects, symbols and additional databases (Wire database (*WIRES.MSW*), Cable database (*CABLES.MDB*) and Translation database (*TRANSLATION.MDB*) - all in templates directory), into *Microsoft Access 2000* format is located in the *SEE Electrical* folder. Its name is "CADdy2SEP.EXE". You will also find the converter in the *Windows* **Start** menu in the group "**SEE Electrical V8R5**".

Please copy your old files in the directories used for *SEE Electrical V8R5* (by default "*…\projects, …\symbols, …\templates*") before starting the converter. The converter will replace them with files in *Access 2000* format. The old files are copied into a "*Backup*" folder beneath the folder where they have been.

New file names:

Description	Old Name	New Name	Folder (Default)
Workspaces	*.cpj	*.sep	…\Projects
Cable database	Cable.mdb	CableNew.mdb	…\Templates
Wire database	Wires.msw	Wires.mdb	…\Templates
Translation database	Translation.mdb	TranslationNew.mdb	…\Templates
Symbol libraries	*.cps	*.ses	….\Symbols

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(The default settings for the converter are located in the master project "_*Convert.c2s*" in *SEE Electrical* folder. If you want to add specific *SQL*-queries or add user defined project information texts to all the converted projects, this master project can be changed. To do so, rename it to *SEP* as extension, treat it as a normal project and rename it back).

Handling in the Converter

- ✓ Copying projects:
  - ▪ Select the Convert Projects tab in the Project Converter.
  - ▪ Press the **Add** button and select the projects (*.cpj) and the project archives (*.cpa) that you want to copy in the new version. Start the conversion process by pressing the **Convert** button.
  - ▪ Convert your own project templates from the old templates directory. Set the correct target directory, so the project templates will be stored to the templates directory of the new version after the conversion.

- ✓ Copying symbols:
  - ▪ Select the Convert symbols tab in the Project Converter.
  - ▪ Press the **Add** button and select symbol libraries (*.cps), such as *My Symbols.ses* and *Types.ses* that you want to copy in the new version and overwrite the existing files.
  - ▪ Start the conversion process by pressing the **Convert** button and overwrite the existing files.

Notes:

- ✓ *The files System.cps and List of Text placeholders.cps may not be copied, because these files are version-dependent.*
- ✓ *If you have not created any user defined cable symbols from version V4R1, we recommend that you do not convert Cables.cps, too, because the file is already present in the new version in expanded form.*

- ✓ Copying databases:
  - ▪ Select the Convert database tab in the Project Converter.
  - ▪ Select the following files from the templates directory of the old version:
    - ✓ Wires.msw (connection properties database)
    - ✓ Translation.mdb (translation database)
    - ✓ Cables.mdb (user defined cable database, if it already exist in your version).
    If you have not created any user defined cable symbols from the V4R1, we recommend you not to convert the Cables.mdb.
  - ▪ Start the conversion by pressing the **Convert** button and overwrite the existing files.

- ✓ Copying templates:
  - ▪ Via the *Windows Explorer* (from the templates directory of the old version to the templates directory of the new version), copy all files with the extensions *.tdw, *.txt, *.dat and for the "Lists and Labels" module (if existing) the *.cds, *.LbL, *.Lbp, *.Lbv, *.Lst, *.Lsv, *.Lsp and overwrite the existing files.
  - ▪ Unlock the free software.
    Depending on whether your version is protected with a soft lock or with a dongle, find more hints for unlocking in the appropriately named file under your SEE Electrical installation in the subfolder "... \ Documentation \ Activation \" or by CD delivery on your SEE Electrical CD in the subdirectory DOCUMENTS \ D \ ACTIVATION.
  - ▪ If necessary, remove the old version of SEE Electrical before you install the new one.

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If you want to keep old version, the installation of new one must be made in a new directory, you <u>cannot</u> install it over an existing version of *SEE Electrical*.

7 Using V8R5 and Older Versions of SEE Electrical in Parallel

If you want to use SEE Electrical V8R5 in parallel with older versions of the software, please check the ***License with local dongle***, ***License with network dongle*** and ***License with Software key from internet*** guides located in your installation *DOCUMENTS* folder.

8 Starting SEE Electrical

After the installation you can start *SEE Electrical* in the *Windows Start Menu* via ***"Programs"*** > ***"ETAP"*** > ***"SEE Electrical V8R5"***. Additionally, an icon has be added to desktop.

Important:

If you want to link the shortcut to the project data in the operating system, you must run the software as Administrator.
To do this, right click the program icon of SEE Electrical and select **Run as Administrator** *in the pop-up menu. Confirm the security message with* **Allow** *und close the program again.*

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9 License Activation

Before you begin work, you must unlock your version.

You can do this either via a soft lock or via a dongle (hard lock). The management of multiple *SEE Electrical* licenses in a network (floating licenses) is possible via a network dongle or a local license server (Local License Server).

- ✓ If you want to licence a dongle, check the ***License with local dongle*** manual provided with the software.
- ✓ If you want to licence your *SEE Electrical* software with a software key, please check the ***License with software key from internet*** or ***License with software key from local server*** manuals provided with the software.

10 Live Update – Program Updates

The *Live Update* automatically logs in the time intervals at the start of the *SEE Electrical* software and checks the appropriate patches for the installed version by an active Internet connection.

To run the *Live Update*, you need the serial number and the license password of your license, a valid maintenance agreement and an Internet connection, that allows a communication to our update server on port 445 (HTTPS) and port 22 (SFTP).

If you are running the *Environment Manager* module of *SEE Electrical* (SeeSync.exe), you cannot use the Live Update. In this case, your administrator must provide you the files. In this case, contact your local *SEE Electrical* distributor.

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