



**Simcenter™**

**Flotherm™ XT Release**

**Highlights**

Software Version 2404

April 2024

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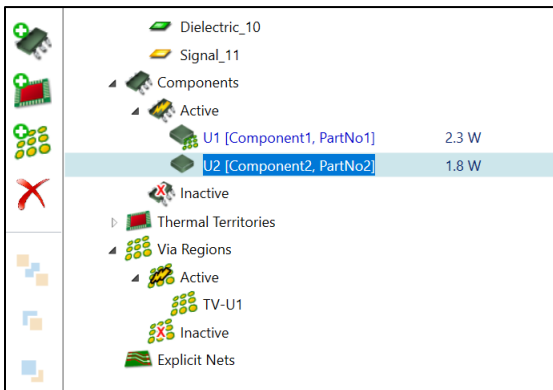
# Introduction

This document provides a high-level summary of this release of Simcenter™ Flotherm™ XT software. It includes a summary of the new features in this release, any authorization code changes required, any major installation changes, and any transitioning issues you should be aware of before installing.

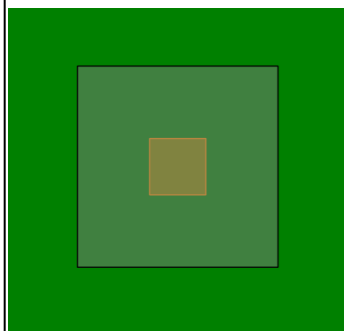
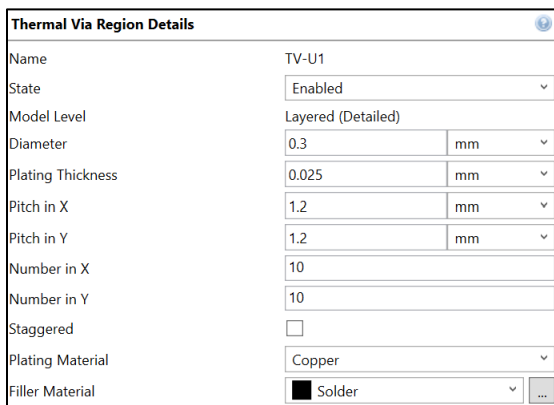
## New Features

The following new features are available in this release:

- **Model the Complexity - Model Thermal Vias in EDA Bridge.**
  - Facilitate fast creation of thermal vias for any PCB active in EDA Bridge.



- Select component and add thermal vias.
  - Icon on component changes and
  - corresponding thermal via region appears in dedicated tree.
- User defines details in property sheet and via patch created in Graphics display area.



- Transferred to Simcenter Flotherm XT as Cuboid representation of the Via array with orthotropic material properties to model thermal effect.

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# Licensing

This release uses Mentor Standard Licensing (MSL) for the Siemens Advanced Licensing Technology (SALT) 2.4.0, mgcl/saltd vendor daemon and licenses.

SALT is a new Siemens licensing solution based on FlexNet licensing technology. SALT 2.4.0 requires FLEXnet license server running at version 11.19.0.1 or higher. If you use server-based licenses, you will need to update the license server accordingly. Download the latest Siemens License Server Installer and licensing documentation from Support Center:

<https://support.sw.siemens.com/en-US/product/1586485382>

If you are currently using the environment variable MGLS\_LICENSE\_FILE then you need to set a new environment variable SALT\_LICENSE\_SERVER with the same value. MGLS\_LICENSE\_FILE can remain set to support older versions.

For more information on SALT and Siemens License Server refer to [Knowledge Base article MG612613](#) “Getting Started with Siemens Advanced Licensing Technology (SALT) and the Siemens License Server (SLS)”, [Knowledge Base article MG612618](#) “Siemens Advanced Licensing Technology (SALT) Migration Guide for Mentor Products” on Support Center and new licensing documentation: *Siemens Digital Industries Software License Server Installation Instructions* and *Siemens Digital Industries Software Licensing Manual for Siemens EDA Products*.

## Authorization Codes

No changes to authorization codes are required for this release.

You can download your existing authorization codes from Support Center -> Account Center -> Licenses:

[account.sw.siemens.com/licenses](https://account.sw.siemens.com/licenses)

For additional information on licensing, refer to the *Siemens Digital Industries Software Licensing Manual for Siemens EDA Products*.

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## Product Transition

Starting with Release 2404 there is a new set of license bundles offering access to a combination of software:

- 297639 Electronics Cooling Flexx 2 – NX  
Gives access to Simcenter Flotherm XT and Simcenter FLOEFD (NX) with Electronics Module.
- 297637 Electronics Cooling Flexx 2 – Creo  
Gives access to Simcenter Flotherm XT and Simcenter FLOEFD (CREO) with Electronics Module.
- 297640 Electronics Cooling Flexx 3 – NX  
Gives access to Simcenter Flotherm, Simcenter Flotherm XT and Simcenter FLOEFD (NX) with Electronics Module.
- 297638 Electronics Cooling Flexx 3 – Creo  
Gives access to Simcenter Flotherm, Simcenter Flotherm XT and Simcenter FLOEFD (CREO) with Electronics Module.

For further information, please contact your sales representative.

## New Cloud-Based Documentation Access Since Simcenter Flotherm XT 2310 Release

Since the Simcenter Flotherm 2310 release an improved method to access your Siemens Digital Industries Software product documentation has been provided. The default option serves your product documentation from Support Center, giving you immediate access to the latest release-specific documentation, enhanced search of HTML and PDF files, and (if you use translated documentation) full multi-language search. This new method also eliminates the requirement to install product documentation as part of the local software installation.

For easy access, we offer an option to view Support Center documentation using a documentation proxy on your network. This documentation proxy removes the need for your users to have a Support Center account or to log into Support Center to view documentation.

We understand that some customers use our products on restricted networks without internet access. You have the option to download the documentation and set up a Siemens Documentation Server to view the documentation package on your local network.

See “Configuring Documentation Access” in the *Simcenter Flotherm XT 2404 Installation Instructions* for instructions to set up the documentation proxy or the documentation server.

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# Supported Platforms

Supported Operating Systems (Full Software).

- Microsoft Windows 10 Version 21H2, 22H2 (64 Bit Pro and Enterprise).
- Microsoft Windows 11 Versions 21H2, 22H2 and 23H2 (64 Bit Pro and Enterprise).
- Microsoft Windows Server 2016 Version 1607, (64 Bit Edition).
- Microsoft Windows Server 2019 Version 1809, (64 Bit Standard Edition).
- Microsoft Windows Server 2022 21H2 (64 Bit Standard Edition).

Supported Operating Systems (Solver Only).

- Linux RHEL 7.9 x64.
- Linux RHEL 8.9 x64.
- Linux SUSE SLES 12.5 x64.

**Note that supported operating systems may change. For most up to date information please refer to Support Center documentation.**

Localized Languages

- Japanese
- Simplified Chinese

## Hardware Requirements

The following minimum hardware is required to run Simcenter Flotherm XT 2404:

- 64-bit capable AMD processor or an Intel processor.
- Solid Works certified graphics card – information available from <https://www.solidworks.com/support/hardware-certification/>.

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# Compatible releases

The following releases are compatible with Simcenter Flotherm XT 2404:

SmartPCB.

- For full HyperLynx PI co-simulation HyperLynx PI VX 2.11, VX 2.10 and VX 2.8
  - **Note that HyperLynx VX2.12, VX2.13 and VX2.14 are not currently supported.**
- For power map import - HyperLynx PI V8.2.1 through VX2.11.
  - **Note that HyperLynx VX2.12, VX2.13 and VX2.14 are not currently supported.**

For external optimizer option in parametric study:

- HEEDS 2310.

Note: To support a particular version of Simcenter Flotherm XT the portal setting in HEEDS™ software need to be adjusted to use the appropriate Simcenter Flotherm XT executables.

- In HEEDS go to File \ Options \ Analysis Portals.
- Select Simcenter Flotherm XT.
- Set “Solver Install” to correct location:
  - For Simcenter Flotherm XT 2404 the default location following installation is “C:\Program Files\Siemens\SimcenterFlothermXT\2404.0\FTXT\NGP\bin\NGP\_ParametricStudyStarter.exe”

## File Imports and Exports

For import / export from / to CAD system or neutral file formats, refer to documentation for Solid Works 2023. Supplied with software (XT Help \ Geometry Help) or online ([Welcome to SOLIDWORKS Online Help - 2023 - SOLIDWORKS Help](#)).

Import \*.txmmla files exported from versions of Simcenter Flotherm Package Creator up to version 2404.

Import \*.txmmlp and \*.txmmla files exported from Simcenter Flotherm XT up to version 2404.

Import \*.pdml and \*.pack files files exported from versions of Simcenter Flotherm up to 2310. (Note that unsupported features are ignored).

Supported ECAD Files (Import only via EDA Bridge)		
Xpedition Layout or Expedition PCB	*.cce, *.cc	Xpedition Enterprise Flow all versions, Expedition Enterprise 7.9.3 and later
PADS Professional	*.cce	All versions
PADS Standard	*.cce	VX.2
ODB++ Archive	*.tar.gz, *.tgz, *.tar	Version 7 and 8 (8 recommended)
IPC	*.xml	IPC2581 Revision B
IDF	Board definition *.emn, *.bdf, *.brd, *.idb Component definition *.emp, *.idf, *.lib, *.pro, *.idl	Version 2.0 and 3.0
Prostep	*.idx, *.idz, *.xml	Version 3.0

## Support Information

A support contract with Siemens is a valuable investment in your organization's success. With a support contract, you have 24/7 access to the comprehensive and personalized Support Center portal.

Support Center features an extensive knowledge base to quickly troubleshoot issues by product and version. You can also download the latest releases, access the most up-to-date documentation, and submit a support case through a streamlined process.

[support.sw.siemens.com/](https://support.sw.siemens.com/)

If your site is under a current support contract but you do not have a Support Center login, register here:

[support.sw.siemens.com/register](https://support.sw.siemens.com/register)

## Simcenter Community

Join Simcenter community of experts to ask questions, solve issues, help others, and submit product ideas.

[Simcenter Flotherm \(siemens.com\)](https://simcenter.flotherm.com)