



Simcenter™ FLOEFD™

Release Highlights

Software Version 2406
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Introduction

This document provides a high-level summary of this release. 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. Additionally, any last minute issues found in the final stages of testing are included.

New Features

- **Flotherm XT – to – FLOEFD model import.** You can export calculation model with geometry from Simcenter™ Flotherm XT™ to XtXmlp file and then import it to Simcenter™ FLOEFD™.
- **EDA Bridge: Thermal vias.** EDA Bridge can create a pattern of thermal vias for components in compact and layered modes.
- **Component Control: multi-edit.** You can select several components in the Component Control dialog and switch all of them off or on simultaneously.
- **Use local system for Point Parameters.** Simcenter FLOEFD prompts user to convert coordinates from local system to the global one.
- **EFD-API: Python support.** You can automate Simcenter FLOEFD using Python scripts and access Simcenter FLOEFD API Examples Support Center article for code examples.
- **Smart PCB: Memory consumption improvement.** Memory consumption has been reduced up to 20% for Smart PCB thermal analysis.
- **Huge assemblies preprocessing speedup.** Time required for many important actions (opening model, starting Wizard, initial project setup, etc) with huge assemblies has been reduced significantly.
- **Material Priorities dialog speedup.** Material Priority dialog opening time has been reduced significantly. Additionally, component highlighting can be time consuming and has been made to be optional.
- **Relative path to FLD in XMLconfig.** Link to results file with initial field is now relative in the XMLconfig file, so you can now export files for command line run and use it without editing.
- **Default material for Smart PCB project.** Typical Plastic Package is applied to all components as a default material, you can overwrite thermal model for any of component without a conflict.

Licensing

This release uses Siemens Advanced Licensing Technology (SALT) 2.6.1.0 with Mentor Standard Licensing (MSL) or Common Licensing Toolkit (CLT), mgld/ugslmd vendor daemon and licenses.

When Simcenter FLOEFD starts it first checks for a CLT license, if it is not found then it checks for a MSL license. Only license features from one system can work at the same time.

SALT is a new Siemens licensing solution based on FlexNet licensing technology version 11.19.0.1. 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>

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

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

Supported Platforms

- Microsoft Windows 10 Pro or Enterprise 64-bit (tested with v1809, v22H2), Microsoft Windows 11 Pro 64-bit (tested with v21H2)
- For solver: Microsoft Windows Server 2012, Microsoft Windows Server 2012 R2, Microsoft Windows Server 2016, Microsoft Windows Server 2019, Microsoft Windows Server 2016 with HPC Pack 2016, Microsoft Windows Server 2019 with HPC Pack 2019, RHEL 7.9, RHEL 8.8, RHEL 9.2, SUSE SLES 12 SP5
- Microsoft Office 365, Microsoft Office 2019, Microsoft Office 2016
- 8 GB RAM minimum, more recommended

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- 2 GB of free hard disk space, more required for simulation models
 - Localized languages: French, German, Japanese, Korean, Simplified Chinese, Russian.

Compatible releases

- HyperLynx SI PI Thermal v2.12, v2.13 and v2.14
- CGNS file format 4.3 and hdf 1.14
- Simcenter Nastran 2206, 2212, 2306, 2312 and 2406

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