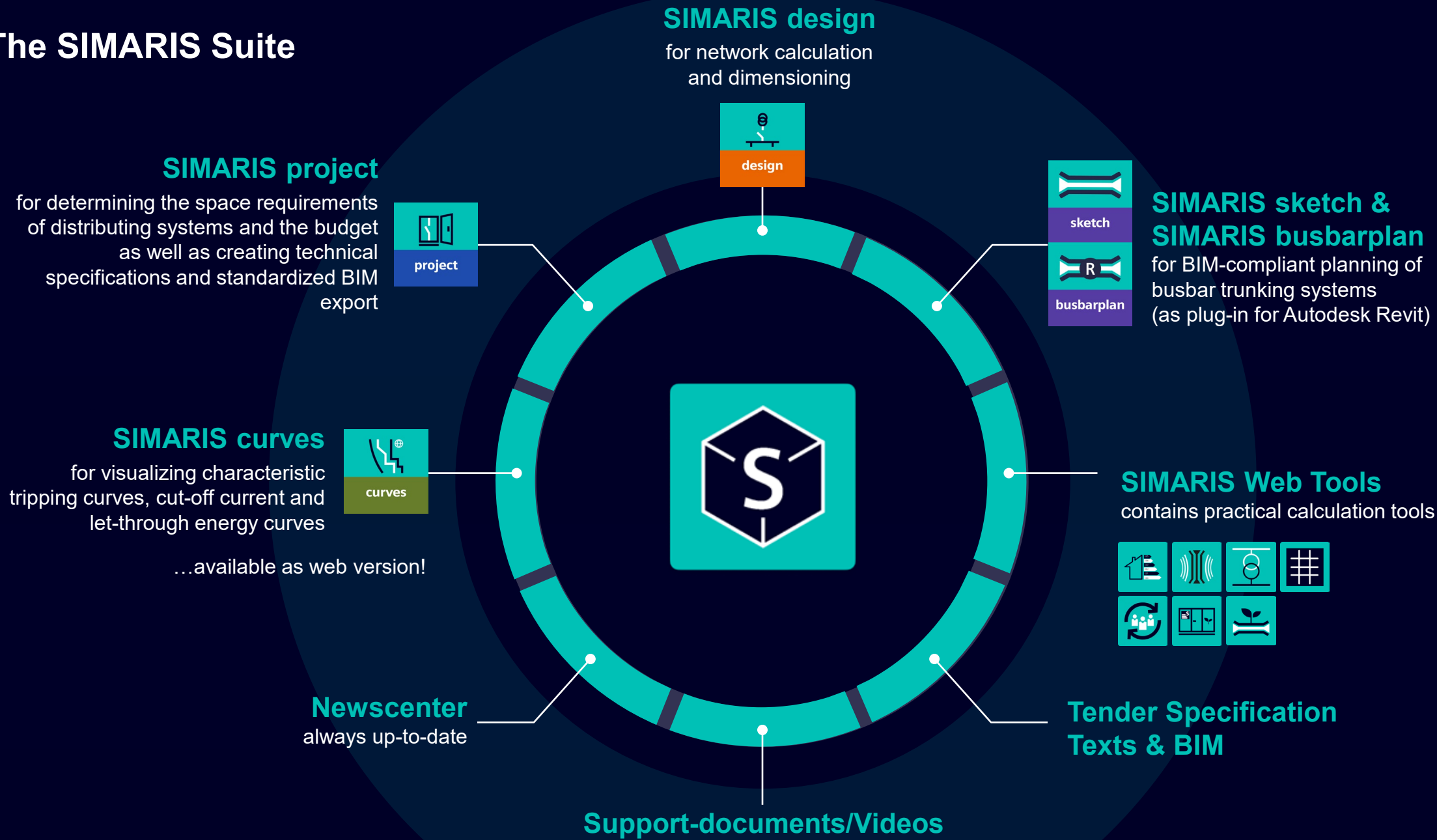


Version 27.0 **SIMARIS** Planning Tools

Totally Integrated Power

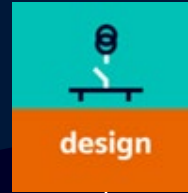


The SIMARIS Suite



SIMARIS design

for network calculation and dimensioning



SIMARIS project

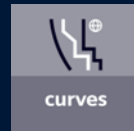
for determining the space requirements of distributing systems and the budget as well as creating technical specifications and standardized BIM export



SIMARIS sketch & SIMARIS busbarplan
for BIM-compliant planning of busbar trunking systems (as plug-in for Autodesk Revit)

SIMARIS curves

for visualizing characteristic tripping curves, cut-off current and let-through energy curves



...available as web version!

SIMARIS Web Tools

contains practical calculation tools



Newscenter

always up-to-date

**Tender Specification
Texts & BIM**

Support-documents/Videos



SIMARIS design 27.0 – What's new?



New products

- Circuit-breaker 3VA2 plus; 25A to 630A
- G210 frequency converter as built-in units
- G210X frequency converter as built-in units

Data adaptations and enhancements of products

- Addition of further variants for SIMOCODE current/voltage sensing modules 3UF8
- Product discontinuation of air circuit-breaker 3WL1 and non-automatic circuit-breaker 3WL1T
- Updated transformer data for GEA FOL and GEA FOL neo
- Update of selectivity tables (no changes to backup tables)

Various little functional adjustments as well as correction of minor errors



Interface with SIMARIS project

- Compatibility of transfer file from SIMARIS design 27.0 to...
 - SIMARIS project 27.0 is supported
 - SIMARIS project 26.1 or earlier is not supported

Interface with Efficiency Guide 2.0

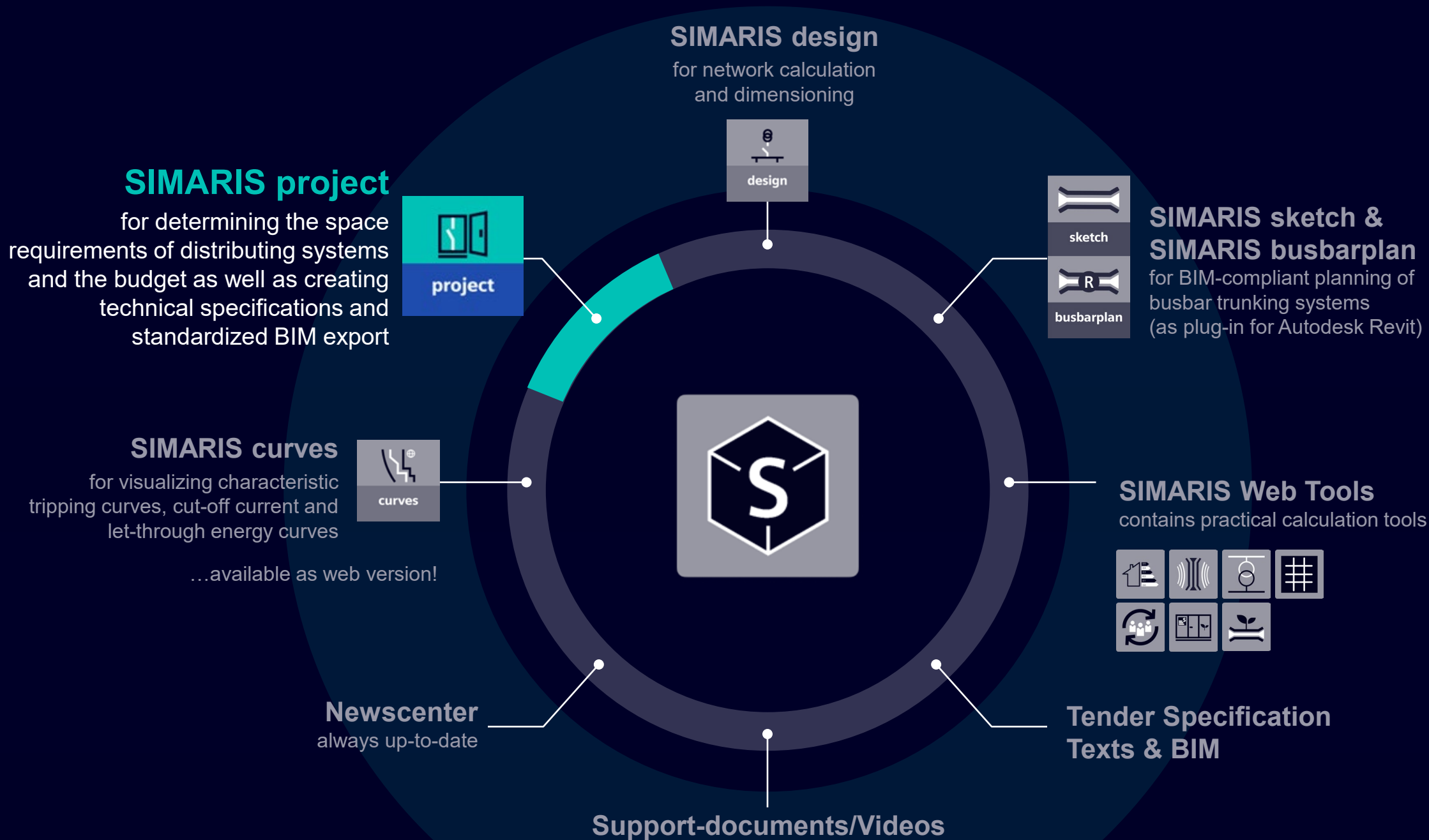
- SIMARIS design 27.0 provides an export file as the basis for the Efficiency Guide in the SIMARIS toolbox.

The Efficiency Guide 2.0 enables an evaluation / optimization of energy efficiency in accordance with DIN VDE 0100-801 for network planning with SIMARIS design.

Interface with SENTRON Powerconfig

- With SIMARIS design 27.0, it is possible to export setting values for protection devices as a .sx file and import them into the SENTRON powerconfig software.

These setting values enable direct parameterization of communication-capable protection devices.



SIMARIS project 27.0 – What's new?



System compatibility

- SIMARIS project 27.0 allows to load projects of version 26.x

Various little functional adjustments as well as correction of minor errors

Data adaptations and enhancements of products/systems

Product portfolio update, mounting options for new devices as well as adaptation of editing functions for:

- SIVACON S8: Model update (new: instrument transformer panel; extensions: 800 V, 3WA frame size I with 100 kA, G220 frequency converter)
- Transformers: Model update (dimensions and weights updated; GEAFOL Neo outside the EU: transformers up to 500 kVA removed; FITformer Eco: extended to include 30 kV)

- BD2 busbar trunking system: Model update (new: power supply units for DC and tap-off units for e-mobility; fuse-equipped units updated)
- Converters: Model update (converter range outside the EU extended to 3,150 kVA; loss attribute added; dimensions and weights updated for all converters)
- NXPLUS C 24: Model update (new: auxiliary transformer panel and switch-disconnector panel)
- NXAIR H: Model update (new: pressure relief duct; new: voltage transformers on the busbar and feeder; extensions: capacitive voltage detecting systems, cable connections for 2,500 A, and seismic resistance)

SIMARIS project 27.0– What's new?



Interfaces

- Interface to **SIMARIS design** (transfer file from SIMARIS design) expanded by new devices/systems incl. automatic assignment to matching systems and automatic configuration.
 - Project data transfer from SIMARIS design 27.0 to SIMARIS project 27.0 is possible, project data transfer from previous versions (SIMARIS design 26.1 and earlier) is not possible
- Project data transfer from SIMARIS project 27.0 to **SIMARIS configuration** is possible
- Project data transfer from **SIMARIS sketch** 27.0 to SIMARIS project 27.0 is possible
- Project data transfer from **SIMARIS busbarplan** 27.0 to SIMARIS project 27.0 is possible
- Project data transfer from SIMARIS project 27.0 to **Autodesk Revit** (via SIMARIS BIM Plug-in incl. 3D and technical data) using the IFC output

Documentation

- Export of 3D-data for BIM (Building Information Modeling) in IFC 4.0-format
 - Download the latest version of the plug-in for import into Autodesk Revit at www.siemens.com/simarisproject/bim
- Export of 3D-data for BIM (Building Information Modeling) in IFC 4.3-format for the update of low-voltage and medium-voltage switchboards according to buildingSMART standardized use cases 2.6 and 2.7
- Tender specification text updates regarding products and systems (GAEB xml, rtf)

SIMARIS design

for network calculation
and dimensioning



SIMARIS project

for determining the space requirements
of distributing systems and the budget
as well as creating technical
specifications and standardized BIM
export



SIMARIS sketch & SIMARIS busbarplan

for BIM-compliant planning of
busbar trunking systems
(as plug-in for Autodesk Revit)



SIMARIS Web Tools

contains practical calculation tools



Tender Specification Texts & BIM

Support-documents/Videos

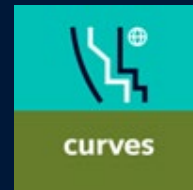
Newscenter

always up-to-date

SIMARIS curves

for visualizing characteristic
tripping curves, cut-off current
and let-through energy curves

...available as web version!



SIMARIS curves 27.0 – What's new?



New functions, only available in the Scu web version

- Visualization of multiple let-through energy curves and let-through current curves
- “Move curve” - Adjust tripping curves directly with the mouse cursor

New functions, only available in the “standalone” version

- Link marking points to upper/lower tolerance band (former sticky cursor function)
- Change style of marking points

New products

- Circuit-breaker 3VA2 plus; 25A to 630A
- Circuit-breaker 3VA6 plus; 25A to 600A

Data adaptation and enhancement of products

- Product discontinuation of air circuit-breaker 3WL1

Various little functional adjustments as well as correction of minor errors

**The SIMARIS curves
desktop version is phased-
out and will be
discontinued by April 2027**

SIMARIS design

for network calculation
and dimensioning



design



sketch



busbarplan

SIMARIS sketch

for BIM-compliant planning
of busbar trunking systems

SIMARIS busbarplan

(as plug-in for Autodesk Revit)

SIMARIS project

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project

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curves

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Newscenter

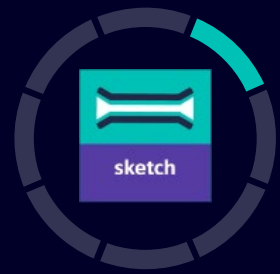
always up-to-date

Tender Specification Texts & BIM

Support-documents/Videos



SIMARIS sketch 27.0 – What's new?



Data adaptation and enhancement of systems

- Splitting of the LD and LI busbar systems implemented
- BD01, BD2, LD, LI: It is now possible to place fixing elements on components
- BD2 DC: Integration of tap-off points and new energy units
- LD DC: Integration of tap-off points and new energy units
- Revision of clearances
- Enhanced notification when a newer SIMARIS sketch version is available

Compatibility

- SIMARIS sketch 27.0 allows to load projects of version 25.1

Various little functional adjustments as well as correction of minor errors

Interfaces & Output

- SIMARIS sketch 27.0 projects can be exported and be imported into **SIMARIS project 27.0**
- Projects from SIMARIS sketch 27.0 can be imported into **SIMARIS busbarplan 27.0**
- Parts list output: the part list components of the BD2 and BD01 systems can be transferred to the shopping cart of the **Sieportal**
- Export of 3D-data for BIM (Building Information Modeling) in **IFC format**

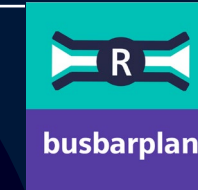
SIMARIS design

for network calculation
and dimensioning



SIMARIS sketch

for BIM-compliant planning of busbar
trunking systems



SIMARIS busbarplan

for BIM-compliant planning of
busbar trunking systems
(as plug-in for Autodesk Revit)

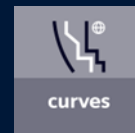
SIMARIS project

for determining the space requirements
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SIMARIS curves

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contains practical calculation tools



Newscenter

always up-to-date

Tender Specification Texts & BIM

Support-documents/Videos



SIMARIS busbarplan 27.0 – What's new?



System-compatibility

- SIMARIS busbarplan 27.0 allows to load projects of versions 1.x, 2.x, 24.x, 25.x and 26.x
- SIMARIS busbarplan 27.0 is compatible with Autodesk REVIT versions 2024, 2025, 2026, and 2027

Various little functional adjustments as well as correction of minor errors

Adaptations and enhancements

Systems:

- BD2 DC: Integration of tap-off points and new energy units
- LD DC: Integration of tap-off points and new energy units
- LI: Mountings on transformer connection fittings can now be configured by the user

Features:

- Improved rule validation
- Updated pricing database
- Migration optimization
- Enhanced notification when a new SIMARIS busbarplan version is available
- Component dialog retains the last-used settings

Interfaces & Output

- Projects can be exported by way of the transfer file (BOM function), and be imported into **SIMARIS project** 27.0
- Projects from **SIMARIS sketch** 27.0 can be imported into SIMARIS busbarplan 27.0
- Projects can be exported to **Busbarcheck**
- Parts list output: the part list components of the BD2 and BD01 systems can be transferred to the shopping cart of the **Sieportal**
- Export of 3D-data for BIM (Building Information Modeling) in **IFC format**

Currently available **SIMARIS Web Tools**



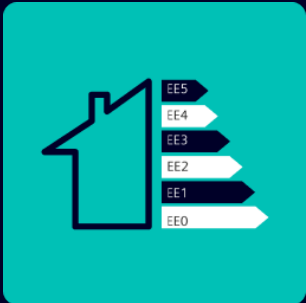
SITRATO

for pressure calculations in case of internal arcing in the transformer room



EMC Busbar

for calculation of the electro-magnetic interference fields for the SIVACON 8PS busbar trunking systems



Efficiency Guide

for evaluating the energy efficiency of buildings according to IEC 60364-8-1



Selectivity & Back-up Manager

for calculation and documentation of project specific selectivity and backup values



SIMARIS xchange

for efficient and safe collaboration on SIMARIS tools, projects, and BIM data in a cloud platform



SIMARIS ecoguide S8

for visualization of sustainability and costs for decision-making on SIVACON S8 configuration



SIMARIS ecoguide busbars

for visualization of sustainability and costs for decision-making on SIVACON 8PS busbar trunking systems

Our offerings at Totally Integrated Power

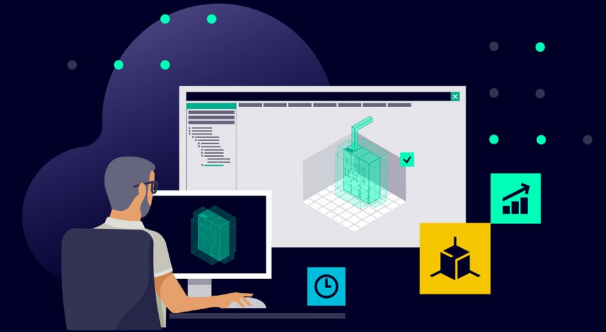
www.siemens.com/tip



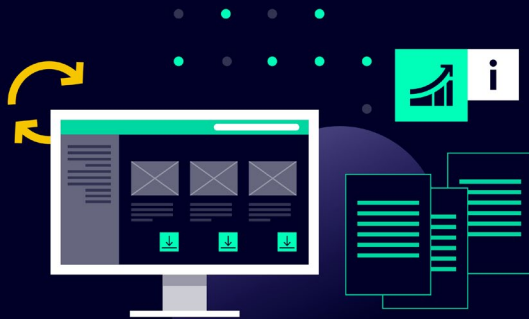
Project support



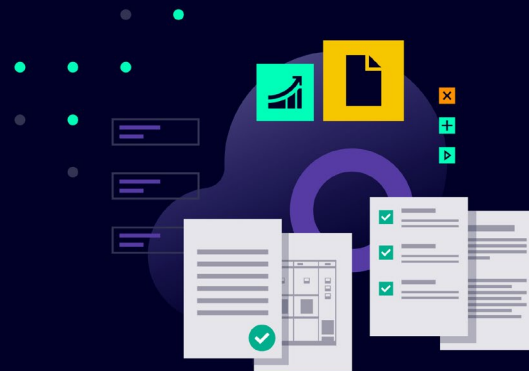
SIMARIS planning tools



BIM for electrical planning



Tender specifications



Technical documents



Trainings and events

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