

The background of the advertisement is a night-time photograph of a city skyline, featuring a prominent building with a large, illuminated, diamond-shaped window. Overlaid on this image are several translucent blue wireframe boxes and lines, suggesting a digital or architectural planning environment. In the upper left, there is a white rectangular box containing the Siemens logo and tagline. In the lower right, there is a large blue rectangular box containing the product name and a descriptive sentence. At the very bottom, a white horizontal bar contains the website address. The overall aesthetic is high-tech and modern.

# SIEMENS

*Ingenuity for life*

## SIMARIS Planning Tools

Easy, fast, and safe planning  
of electric power distribution

[siemens.com/simaris](https://www.siemens.com/simaris)



# SIMARIS planning tools – for efficient planning support

The planning of electric power distribution for industrial plants, infrastructure, projects and buildings is becoming increasingly complex. Our innovative SIMARIS planning tools effectively support your planning process to enable you as electrical designer to work even more efficiently under the given conditions. This optimal support helps you reduce time and expenditure for the overall planning of a power distribution system, and allows for a better focus on your main tasks such as concept drafting.

SIMARIS planning tools set a benchmark in planning efficiency. They provide valuable support in dimensioning the electric power distribution system and determining the equipment and distribution boards required.

- SIMARIS project for determining the space requirements of distribution boards and the budget, and for generating specifications
- SIMARIS design for network calculation and dimensioning including selection of all protection devices
- SIMARIS curves for visualizing characteristic tripping curves as well as let-through current and let-through energy curves.

## Benefits:

- Intuitive, easy handling and documentation of planning results
- Integrated planning from the medium-voltage level down to the consumer
- Automatic selection of matching components and distribution systems
- High level of planning security plus flexibility in the planning and implementation process

**More information**  
[siemens.com/simaris](https://www.siemens.com/simaris)



# SIMARIS project – determining space requirements and creating tender specifications



SIMARIS project helps you obtain a quick overview of the space requirements for the electric power distribution system inside the building – from the medium-voltage switchgear down to the distribution boards. Thus you can determine the budget for your project quickly and have a technical specification created automatically.

**More information**  
[siemens.com/simarisproject](https://siemens.com/simarisproject)

## Benefits of SIMARIS project:

- Intuitive and easy handling
- Fast overview of space requirements and budget\*
- Easy adaptability to a changing use of facilities and to system expansions
- Option for saving complete installations in the favorites library to be available for similar projects
- User-friendly output options for documentation purposes

## SIMARIS project

<b>Products and systems</b>	Medium-voltage switchgear, transformers, low-voltage switchboards, busbar trunking systems, distribution boards, frequency converters, charging units for electric vehicles
<b>Features</b>	<ul style="list-style-type: none"><li>• Views and dimensions of switchgear, switchboards, distribution boards, and transformers</li><li>• Easy budget calculation*</li><li>• Automatic selection of matching distribution systems using the interface with SIMARIS design via import file</li><li>• Automatic placement of devices in the distribution boards</li><li>• Creation of tender specifications</li><li>• Consideration of functional endurance of busbar trunking systems</li></ul>
<b>Interfaces</b>	<ul style="list-style-type: none"><li>• Import of project data created with SIMARIS design for further processing</li><li>• Export of low-voltage switchboard data for use in SIMARIS configuration (tool for configuration and calculation of Siemens distribution systems)</li></ul>
<b>Documentation</b>	<ul style="list-style-type: none"><li>• Different views of switchgear, switchboards, distribution boards, and transformers</li><li>• Single-line diagrams (with technical data table)</li><li>• Budget price list*</li><li>• Tender specifications (GAEB XML 3.2; GAEB 90; RTF)</li></ul>
<b>Regionalization</b>	Technology packages for 13 countries in 9 languages
<b>Availability</b>	Free download at <a href="https://siemens.com/simaris/download">siemens.com/simaris/download</a>
<b>Support</b>	Customer Support Center: Phone: <b>+49 70 00 7 46 27 47</b> E-mail: <a href="mailto:technical-assistance@siemens.com">technical-assistance@siemens.com</a>

\* For budget price calculation, please contact your SIMARIS expert in the region: [siemens.com/simaris/contact](https://siemens.com/simaris/contact)

# SIMARIS design – dimensioning of reliable solutions



Thanks to its user-friendly handling and its graphical user interface, you will intuitively find your way around SIMARIS design.

The software provides excellent options for graphical editing of network diagrams. For the straight way to project implementation, there are comfortable options for documenting the results of the entire network dimensioning process – for example, a component list of the necessary equipment or the network diagram in your desired format (PDF, DXF, DWG).

In addition, you can export project data and continue the planning of specific installations using SIMARIS project. A list of all settings determined during the dimensioning of protection devices can be exported, too. This way, the settings can be transferred to the devices when the equipment is installed.

**More information**  
[siemens.com/simarisdg](https://www.siemens.com/simarisdg)

## Benefits of SIMARIS design:

- Intuitive and easy handling
- End-to-end planning from the medium-voltage level down to the power consumer
- Automatic selection of matching components
- Established technical rules and standards (IEC) taken into account
- Dimensioning and sizing based on real products
- Detailed knowledge of products and systems not needed
- High level of planning security

# SIMARIS design – calculating networks and short-circuit currents

	SIMARIS design	With a license for SIMARIS design professional
<b>Products and systems</b>	Medium-voltage protection devices, transformers, low-voltage protection and switching devices, busbar trunking systems and cable systems, frequency converters, charging units for electric vehicles, motors, generators	
<b>Features</b>	<p>Dimensioning of electric networks from the medium-voltage down to the low-voltage consumer level:</p> <ul style="list-style-type: none"> <li>• Consideration of required personal, short-circuit, and overload protection</li> <li>• Free definition of operating modes and switching conditions</li> <li>• Separate protection of parallel cables selectable in feed-in circuits (with transformers, generators, neutral infeeds)</li> <li>• Consideration of functional endurance as well as lightning and overvoltage protection possible</li> <li>• Configuration of busbar trunking systems for power transmission and distribution possible</li> <li>• Automatic selection of suitable equipment</li> <li>• Calculation of short-circuit current, load flow, voltage drop, and energy balance</li> </ul>	<p>In addition:</p> <ul style="list-style-type: none"> <li>• Parallel network operation</li> <li>• Isolated networks can be planned and displayed</li> <li>• Automatic selectivity evaluation</li> <li>• Output for analysis and optimization of energy efficiency in the planned network</li> <li>• Configuration of a switch-over facility for emergency power supply possible in sub-distributions</li> </ul> <p>Further advantage:</p> <ul style="list-style-type: none"> <li>• Multi-user license</li> </ul>
<b>Interfaces</b>	<ul style="list-style-type: none"> <li>• Export of created project for use in SIMARIS project</li> <li>• Export for further processing in the Siemens installation and service tool Powerconfig</li> </ul>	
<b>Documentation</b>	<ul style="list-style-type: none"> <li>• Component list for the selected equipment</li> <li>• Network diagram in format PDF, DXF, or DWG</li> <li>• List of protection device settings and short-circuit currents determined during dimensioning</li> </ul>	<p>In addition:</p> <ul style="list-style-type: none"> <li>• Selectivity evaluation</li> </ul>
<b>Regionalization</b>	Technology packages available for around 100 countries in 20 languages	
<b>Availability</b>	Free download at <a href="https://www.siemens.com/simaris/download">siemens.com/simaris/download</a>	Available at your local SIMARIS expert against protective charge
<b>Support</b>	Customer Support Center: Phone: +49 70 00 7 46 27 47 E-Mail: <a href="mailto:technical-assistance@siemens.com">technical-assistance@siemens.com</a>	SIMARIS expert in the region: <a href="https://www.siemens.com/simaris/contact">siemens.com/simaris/contact</a>

# SIMARIS curves – visualizing characteristic curves



With SIMARIS curves you can evaluate characteristic tripping curves of Siemens low-voltage protection devices and fuses (IEC) easily and quickly without having to plan a complete network.

Use SIMARIS curves to select the desired devices by directly entering their order numbers, or use the options of the easy-select feature to specify the devices according to the requested technical attributes. The device settings can be adapted directly on the screen, either numerically or via the sliders. Thus the impact on the selectivity is visible immediately. The easy-select feature also allows you to save individual products with the attributes you have defined as favorites and retrieve them at a later date with a single mouse click.

## Comprehensive visualization

Besides the depiction of the characteristic tripping curves and tolerance bands, as well as the option to set parameters, let-through current and let-through energy characteristics are also offered for the devices.

A clear printout documents the characteristic curves you have selected and their corresponding settings.

Or use the App version of SIMARIS curves on your tablet PC or smartphone, which enables you at any time to access the settings to be made – also on site, when the equipment is installed.

## More information

[siemens.com/simariscurves](https://www.siemens.com/simariscurves)

## Benefits of SIMARIS curves:

- Intuitive and easy handling
- Clear product selection via order number or easy-select feature
- Saving selected devices as favorites
- Saving several characteristic curves plus settings as overall project
- Mobile use as App possible

## SIMARIS curves

<b>Products</b>	Medium-voltage and low-voltage protection devices
<b>Features</b>	<ul style="list-style-type: none"><li>• Visualizing and evaluating the characteristics of protection devices</li><li>• Easy adaptation/check of device settings</li></ul>
<b>Documentation</b>	<ul style="list-style-type: none"><li>• Characteristic tripping curves and settings (PDF)</li></ul>
<b>Regionalization</b>	<ul style="list-style-type: none"><li>• Technology packages available for around 100 countries in 20 languages</li></ul>
<b>Availability</b>	<ul style="list-style-type: none"><li>• Free download at <a href="https://www.siemens.com/simaris/download">siemens.com/simaris/download</a></li><li>• Also available as App (Android and iOS) in the respective App stores</li></ul>
<b>Support</b>	Customer Support Center: Phone: <b>+49 70 00 7 46 27 47</b> E-mail: <b>technical-assistance@siemens.com</b>



# All around the SIMARIS planning tools



If you have any questions regarding the SIMARIS planning tools, your local SIMARIS expert will be pleased to assist.

Free download and registration can easily be done at the SIMARIS website.

Support documents such as the program help, the technical manual, and the tutorials can also be found online.

**More information**  
**[siemens.com/simaris/service](https://www.siemens.com/simaris/service)**



## **SIMARIS support:**

- Free download of all SIMARIS planning tools: **[siemens.com/simaris/download](https://www.siemens.com/simaris/download)**
- Customer Support Center  
Phone: **+49 70 00 7 46 27 47**  
E-Mail: **[technical-assistance@siemens.com](mailto:technical-assistance@siemens.com)**
- SIMARIS experts in more than 60 countries:  
**[siemens.com/simaris/contact](https://www.siemens.com/simaris/contact)**
- Support documents:  
**[siemens.com/simaris/help](https://www.siemens.com/simaris/help)**
- FAQ: **[siemens.com/simaris/faq](https://www.siemens.com/simaris/faq)**
- Model networks for SIMARIS design:  
**[siemens.com/simarisdesign/modelnetworks](https://www.siemens.com/simarisdesign/modelnetworks)**
- Technical publications for electric power distribution:  
**[siemens.com/tip-cs/downloadcenter](https://www.siemens.com/tip-cs/downloadcenter)**

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