Software solutions for consulting engineers

Complete eGuide on all tools and software
We want to equip you with the tools to help you avoid losses and increase your efficiency. Let us guide you through them.

Fragmentation of construction life cycle brings challenges

Non-quality construction results in €80 billion waste per year.

One discrepancy of 10mm in one dimension costs £3,000.

A lack of coordination leads to a loss of 10-20% of construction costs.

We wish to equip you with the tools to help you avoid losses and increase your efficiency. Let us guide you through them.
Schneider Electric equips all consulting engineers with the tools and software to empower them to take the right decisions, improve their efficiency and make sure sustainability is at the heart of everything they do.

These tools are designed to simplify your work, increase productivity and save your time.

You can select the section below to see the best tools for specifying depending on the sector.
Buildings
Conceptual Design > Basic Design > Detailed Design

**Main Function**

- **Conceptual specification and documentation**
- Implantation of electrical equipment in 3D or 2D mockup
- Cable sizing and protection for medium voltage
- Calculations, cable sizing, protection and diagrams for low voltage
- References and verifications for low voltage
- 3D modeling for medium and low voltage

**Tools and Software**

- EcoStruxure™ Specification
- Caneco BIM
- Caneco HT
- Caneco BT
- EcoStruxure Power Design – Ecodial
- Electrical Calculation Tool
- BIM Library
EcoStruxure Specification

**Build specifications in a few simple clicks**

All-in-one free online tool to simplify building your specification and help you save time.

An intuitive platform to create and store specifications and instantly access all the information on products and solutions.

The tool allows to quickly train and onboard new engineers. Use the Reference Architectures section to get recommendations on applications, infographics and more.

Start specifying
EcoStruxure Power Design – Ecodial

Calculate and size your electrical distribution

Design electrical distribution networks, optimize performance and specify components.

Export single line charts and generate detailed calculation reports with the click of a button.

Optimize equipment and costs by managing operating specifications and designing power distribution projects.

In case of anomalies, you will see the warnings indicating possible causes and suggestions for corrections based on the specific context.

Electrical fire prevention feature available: easily add fire prevention solutions in 2 simple steps.

More efficient and reliable power design

Optimized power availability

Quick and easy to use

Start using Ecodial
Electrical Calculation Tool (ECT)

Calculate and make quick references and verifications for LV electrical distribution

When designing a new installation or expanding an existing one, ECT allows you to quickly select a protection device, check selectivity and calculate the cables.

Can help you:
- verify cable voltage drop during the project re-design.
- design an installation when looking for information on protection settings and time current curves.
- design an installation where continuity of supply is required.
- generate cables schedule and choose proper cable size.

Based on Schneider Electric Ecodial software.

Up to date with Schneider Electric LV protection devices and circuit breakers.

Start using ECT
Integrate Schneider Electric models into your BIM design, with our library of medium and low voltage electrical equipment

Create an intelligent 3D model to capture, explore, and maintain planning, design, construction, and operational data.

The information in the model remains coordinated and consistent throughout the project lifecycle, and is available for simulation, analysis, collaboration, and communication in order to better inform decision making for building and infrastructure projects.

At Schneider Electric we are committed to support you by providing direct access to our new BIM library:

- 41 families (ranges)
- representing 30k+ SKUs
- Revit families
- on SE web portal and BIM object
- now working on generic models
Caneco ONE

Cover all your needs with the all-in-one software suite for electrical engineering

Caneco ONE is a set of interconnected software to design low and high voltage installations in a digital model (BIM), including infrastructure and public lighting networks, to operate and test your electrical installations.

Caneco ONE offers the main functions of 2D/3D modeling, calculation and schematics in order to offer all the tools for managing a complete project.

It enables communication and collaborative work and ensures data integrity throughout the implementation of a BIM project.
Caneco BT

Low voltage electrical calculation and sizing software

- Calculations to meet standards
- Sizing of equipment
- Selectivity, filiation, reinforced selectivity by coordination with tables and curves
- Pre-determination of electrical enclosures
- Automatic production of a broad range of documents (diagrams, calculations, power balances etc.)
- Gateway between Caneco HT and Caneco BT
- Gateway to SEE Electrical Expert

Precise dimensional drawings of electrical panels
Quick and easy to use
Guaranteed quality and compliance
Automatic diagram
Versatile and comprehensive
Time-saving

Explore Caneco BT
Caneco HT

Medium and high voltage electrical automated design and verification software

All-in-one tool to easily and quickly design, configure, calculate an electrical network and MV equipment and prepare to order.

• Convenient for simple and complex network architectures
• Automatic production of documents
• Compliance of your installation counting on always up-to-date technical information
• Includes automated protection and coordination

Explore Caneco HT
Caneco BIM

Revit® application for the design and control of an electric digital model

• Checking of data integrity
• Automatic HV / LV cable routing (CFO / CFA)
• Sizing of cable trays
• Integration of electrical data in the digital model

Extra value for consulting engineers: click to learn more

Multiple data entry operations avoided
Security and compliance
Optimization of work
Time-saving

Explore Caneco BIM
Data centers
Data centers

- Reference Designs
- EcoStruxure IT Advisor – CFD
- Data Center TradeOff Tools™
- ETAP

Select the optimal Data Center Design for your needs
Model airflow and cooling performance in IT spaces
Check “what if” scenarios and make tradeoffs during data center planning
Design, operate, and automate power systems
Reference Designs

Select the optimal Data Center Design for your needs

To select the right data center design, you’ll want to understand key attributes and performance characteristics.

You can browse the designs, compare and select the best design for your data center needs.

Re-use of proven, documented subsystems or complete designs is a best practice for both new data centers and for upgrades to existing data centers.

- Facilitating and simplifying the planning phase
- Reducing time to create buildable designs
- Reducing risk
  Offering predictable performance and improving reliability of the datacenter once operational.

Browse designs
EcoStruxure IT Advisor – CFD

Vendor agnostic design tool to model airflow and cooling performance in any IT space

Design the graphical floor plan of the configured data center, including:
• overlays showing capture index (CI)
• plenum pressure
• plenum velocities
• 3D rendering of the temperature map (airflow, temperature thresholds, load)

These overlays give you a fail/pass indication of the effectiveness of the active cooling configuration.

During the design process, you get a qualified assessment of the impact of changes in supply temperature, airflow, and number of cooling units and room-based cooling parameters.
Data Center TradeOff Tools™

Simple and interactive calculators to help support data center planning decisions

TradeOff Tools are powered by data and science, making it easy to vary parameters, experiment with “what if” scenarios and make tradeoffs during data center planning.

Used early in the planning process, TradeOff Tools help avoid planning roadblocks by making informed decisions.

TradeOff Tools help show quantifiable, tangible benefits of implementing certain technologies and help justify project decisions.

Simple, automated tools to support specific planning decisions
One-screen, standardized user interface
Optimized for use on PCs and tablets, can be used on mobile phones too

Explore TradeOff Tools
ETAP

Energy Management software platform to design, operate, and automate power systems

ETAP digitizes critical infrastructure from connected products into analytics that can create more efficient, safe and sustainable data centers, utilities and transportation:

• Unique design solutions to accelerate design of your projects and faster delivery for your customers.
• Re-use data and avoid duplication by synchronizing integrated digital twin models.
• Collaborative tool for consulting engineers, EPCs and End users across the Life cycle.
• Advanced analytics and simulation, augmenting Schneider Operate capabilities (PME, PSO, EPAS, Microgrid).

Productivity
Integrated calculations modules in a single platform

Continuous updated model
Higher service level + change management

Solutions from conventional to hybrid generation design

Single tool from Design to Operate

Explore Ecostruxure IT Advisor – CFD
Industry
Industry

- Motor Management Design App
- Motor Control Configurator
- EcoStruxure Plant Builder 5.0

- Calculate and select components for high-power LV and MV motor applications
- Configure motor control
- Speed up EcoStruxure Plant Pre-Sales project quotation
Motor Management Design App

**Calculate and select components and products for high-power LV and MV motor applications**

Move from project to solution within 3 steps (Project > Calculation > Solution) in full autonomy.

Make optimized and competitive design, with limited input data and built-in assistance.

Build a complete motor management architecture (from starting and control to services).

Access the most relevant digital content for your case.

---

- Simple to use
- Easy to select offers
- Save time
- Gain efficiency
- Reinforce your expertise

Start using the app
Motor Control Configurator

Easily configure your motor control

You can easily and quickly put together the correct motor control with the fully integrated Motor Control Configurator.

3 easy steps to a complete motor control:

Step 1: Choose the motor control for your application.
Step 2: Select security and accessories.
Step 3: Save your configuration and add the products to your cart.

All technical information leaflets, certificates and product data sheets that apply to your configuration are also immediately available for download and sharing.

Easy and fast
- Intuitive user interface
- Automatic BOM creation

Everything you need
- Over 7,000 commercial references
- Over 20,000 configurations

For any application
- Low voltage
- Compliant with IEC standards

Start using the tool
EcoStruxure Plant Builder 5.0

Speed up EcoStruxure Plant Pre-Sales project quotation

A comprehensive design and quotation pre-sales tool that satisfies the needs of each player in the solution selling process.

It provides the complete BOM of the full project with pricing for project bidding, a customized system architecture drawing and a project quotation report.

Easy configuration and holistic proposal management speed up the quotation process.

The tool embeds advanced and innovative features such as performance estimators and dependability analysis, making it a unique software on the market.

Increase the productivity
Speed up the quotation process

Convince customers and limit the need of specialists

Reduce the design risk
with system performances and dependability assessment

Smooth transition to execution
Reuse the quotation design to start engineering stage

Learn more about the tool

SI Alliance
Exchange platform