

Software solutions for consulting engineers

Complete eGuide on all tools and software

se.com

Life Is On

Schneider
Electric

Fragmentation of construction life cycle brings challenges

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

European Construction Institute

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

Building Research Establishment

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

Building Research Establishment.
Coordination working drawings report

We want to **equip you with the tools** to help you **avoid losses and increase your efficiency.**
Let us guide you through them.



The tools adapted for all your needs

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

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Data Centers

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Industry

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Buildings



Buildings

Conceptual Design > Basic Design > Detailed Design

Main Function

EcoStruxure™ Specification

Conceptual specification and documentation

Caneco BIM

Implantation of electrical equipment in 3D or 2D mockup

Caneco HT

Cable sizing and protection for medium voltage

Caneco BT

Calculations, cable sizing, protection and diagrams for low voltage

EcoStruxure Power Design – Ecodial

Electrical Calculation Tool

References and verifications for low voltage

BIM Library

3D modeling for medium and low voltage



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.



Easy and intuitive platform



Time-saving



Allows to quickly train and onboard new engineers

[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.



Optimize the installation costs



Easier and faster tool



No download needed, can be played from your web browser

[Start using ECT](#)



BIM Library

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



Comprehensive BIM library



Simple user interface



Optimized building construction

[Explore BIM Library](#)

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.



Access to all your projects



All tools for digitization and BIM strategies



Save time and money



Work together more efficiently

[Explore Caneco ONE](#)



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

CANECO BT



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

CANECO HT

 Exhaustive calculations

 Quick and easy to use

 Quality and compliance

 Tailored to global markets

 Time-saving

[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

CANECO BIM



Multiple data entry operations avoided



Security and compliance



Optimization of work



Time-saving

[Explore Caneco BIM](#)



Data centers



Data centers

Reference Designs

Select the optimal Data Center Design for your needs

EcoStruxure IT Advisor – CFD

Model airflow and cooling performance in IT spaces

Data Center TradeOff Tools™

Check “what if” scenarios and make tradeoffs during data center planning

ETAP

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](#)



176.0 kW
Whitespace Area
2,401.00 ft²
Total Grid Cells
249,704
Analysis Time
106.47 s
Analysis Details

EcoStruxure IT Advisor – CFD

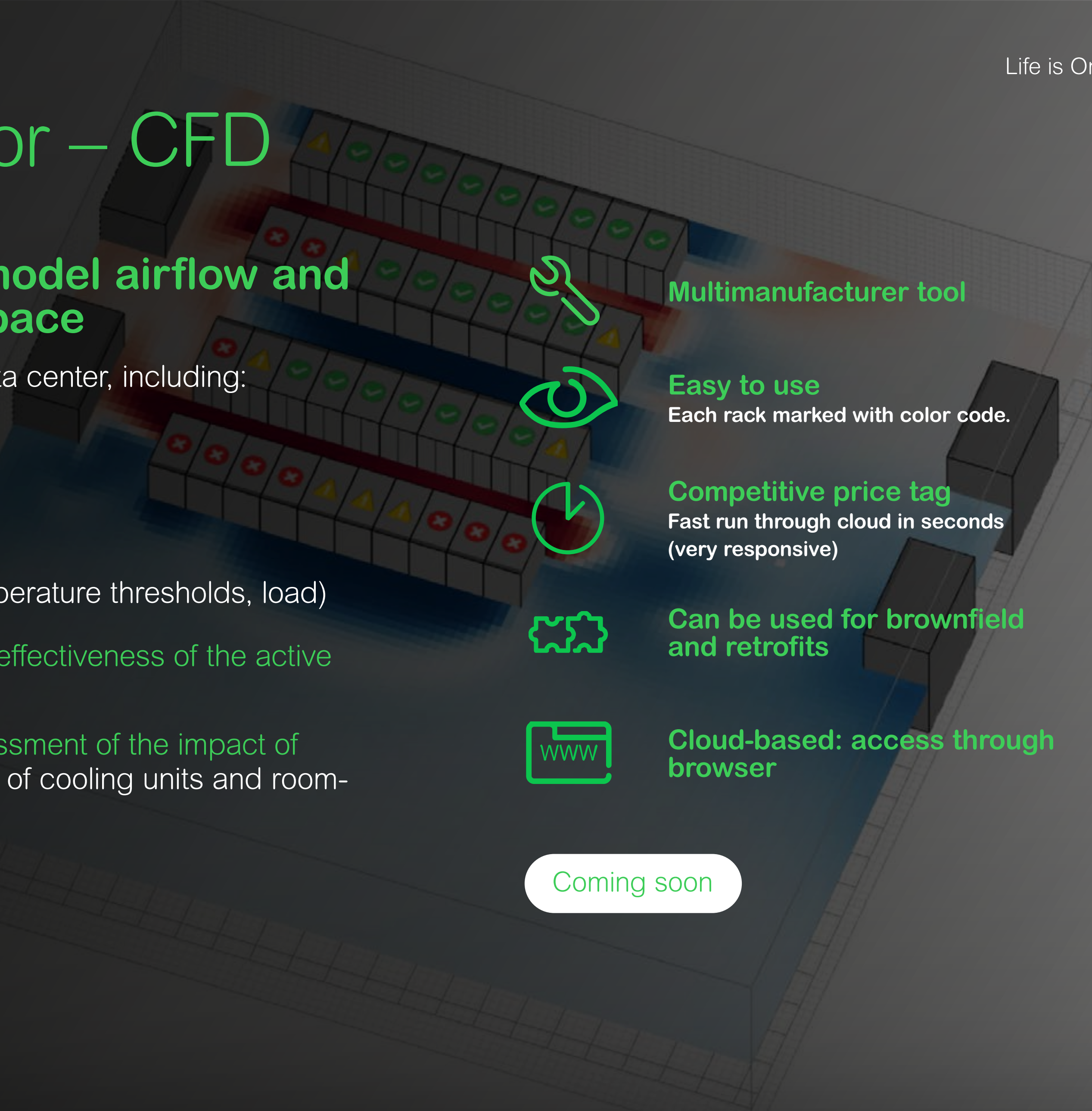
Vendor agnostic design tool to model airflow and cooling performance in any IT space

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.




 **Multimanufacturer tool**

 **Easy to use**
Each rack marked with color code.

 **Competitive price tag**
Fast run through cloud in seconds (very responsive)

 **Can be used for brownfield and retrofits**

 **Cloud-based: access through browser**

Coming soon

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.

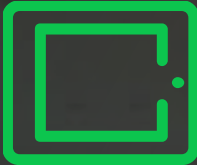
TradeOff Tools help show quantifiable, tangible benefits of implementing certain technologies and help justify project decisions.



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

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

Motor Control Configurator

Configure motor control

EcoStruxure Plant Builder 5.0

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

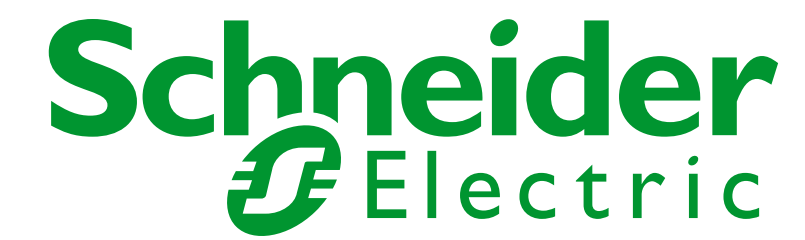
[Learn more about the tool](#)

SI Alliance

Exchange platform



Life Is On



To learn more about all the tools and offers
for consulting engineers visit

se.com



Schneider Electric

35 rue Joseph Monier
92500 Rueil-Malmaison, France
Tel : +33 (0)1 41 29 70 00

