

CHANGE YOUR ELECTRICAL CAD

TRADE IN YOUR OLD CAD SYSTEM

SUBSCRIPTION
OR
BUY

There are many reasons why you should use **WSCAD** for your electrical engineering – here are ten of them:

1.

Supercharge your productivity with AI: deliver projects on time and on budget

WSCAD was the first in the industry to release an [AI-powered electrical CAD](#) (2024). This groundbreaking technology helps engineers automate routine tasks, optimise design workflows, and significantly cut down on engineering time, resulting in efficiency improvements of up to 99%. For this innovative strength, ELECTRIX AI received two German industry awards in 2025: the [TOP 100 Innovation Award](#) and the Control Cabinet Engineering (*Schaltschränkbau*) Innovation Award, recognising outstanding innovation in electrical engineering and control cabinet design.

2.

AI Automation: overcome project errors with AI

WSCAD uses AI to intelligently identify and highlight potential errors in your design before they become real-world problems, such as detecting missing connections. The software ensures better design quality and reduces costly rework. Fast, intuitive and smart – reducing workload and stress.

3.

Interdisciplinary consistency in engineering data

The electrical CAD software from WSCAD is the first integrated and comprehensive CAD solution for [electrical engineering](#), [cabinet engineering](#), [piping and instrumentation](#), [fluid power](#), [building automation](#) and [electrical installation](#). No matter which disciplines you work in, the change of a component is reflected immediately in all other schematics. This saves time and improves quality as there is no need to update the data manually.

4.

Save precious engineering time: over 2.2 million parts at your fingertips

Instead of creating your own symbols and parts, save time by accessing the world's largest electrical CAD library: [wscaduniverse.com](#). 2.2 million parts from 441 manufacturers are available in WSCAD, DXF and EDZ formats as well as in native 3D CAD format, such as the widely used STEP format for the control cabinet design. Access to wscaduniverse.com offers fast search and filter functions and is free of charge!

5.

Import data from other electrical CAD systems

With WSCAD software, you can effortlessly design and manufacture control cabinets based on data from other electrical CAD systems.

6.

Secure integration through numerous interfaces

WSCAD's product strategy is based on openness and speed. The software therefore provides many efficient interfaces to PLM and ERP systems as well as to applications from other automation suppliers, like Siemens, WAGO, Phoenix Contact etc. WSCAD also includes interfaces to various machines for labeling and manufacturing cables and wire sets and to NC machines from Rittal, Komax* or nVent HOFFMAN (Steinhauer)*.

7.

High functionality including modern Augmented Reality Apps

The modular WSCAD software provides extensive functionality for standardised engineering documentation. Your customers can use these documents as smart PDFs, offering a neutral and accessible exchange format. WSCAD's extensive feature set is fully customisable thanks to its modular architecture – start small and expand as needed.

Service technicians can use the [Cabinet AR App](#) to scan components within a cabinet and instantly view relevant information, the 3D model, and even the component's position in the electrical schematics. The app can also be used to record schematic changes and comments directly in the PDF via the red-line function.

[Building AR App](#) enables users to scan rooms and automatically convert them into floor plans for building design and electrical installation.

8.

Future-proof investment

With over three decades of industry expertise, WSCAD delivers proven, reliable, and constantly evolving technology that supports engineers in all stages of the electrical design process. This long-standing experience makes WSCAD a trusted partner.

9.

Digitisation and professional services from the experts:

WSCAD Global Business Services

With closely coordinated services, WSCAD can assist you along the engineering process: from individual [training](#) through [digitisation](#) (converting paper schematics into a digital file or converting between various electrical CAD formats) all the way to [process optimisation](#) and [digital twins](#). [Checkup services](#) analyse your processes, make specific recommendations and lay the foundation for a professional transition from your old electrical CAD system to WSCAD.

10.

Excellent maintenance and support

Forget call centres – enjoy rapid, knowledgeable, and highly personal support. We offer [three maintenance levels](#) to suit your individual needs.

WSCAD has been developing electrical CAD solutions for more than three decades. Customers include medium-sized companies, international corporations and engineering service providers.

The software is based on one core platform that covers six engineering disciplines and domains: Electrical Engineering, Cabinet Engineering, Piping and Instrumentation, Fluid Engineering, Building Automation and Electrical Installation.

WSCAD methodologies for standardisation, reuse and automation significantly reduce engineering time from several weeks to just a few hours or even minutes. At the same time, these practices also ensure a much higher quality of work.

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