The WSCAD solution is characterized by more than 27 years of experience and 35,000 satisfied users

WS CAD
ELECTRICAL ENGINEERING

Cabinet layouts
... for professionals

Plan,
manufacture,
install,
maintain

High functionality
Six disciplines, one software, one database - you always work with the same data: electrical engineering, cabinet engineering, process and fluid technology, building automation and electrical installation. More than 1.2 million current symbols and part data from more than 160 manufacturers in the WSCAD and EPLAN* formats are freely accessible on the portal wscaduniverse.com and an integral part of the software.

Quick and easy to use
Whether for simple ten page plans or mega-projects with structured identification at a higher level – the WSCAD SUITE supports standards-compliant design, detailed user management and much more. In addition, WSCAD is also fast, intuitive and always easy to use even if you only work with it occasionally. You thus gain free time for new projects.

Outstanding price-performance ratio
With a price point of about one third of the procurement and maintenance costs compared to other solutions on the market, you can significantly relieve your budget.

Process third-party electrical CAD data

and directly control production
Import data from other electrical CAD systems and control the production without any detours and additional costs. By using WSCAD Cabinet Engineering, you no longer need any additional M-CAD software.

Automation included
Collect data once, automate recurring tasks and concatenate processes - this approach is a common thread across the entire electrical engineering solution from WSCAD. This means: structuring with higher-level structure identifiers, standardizing and reusing products and component parts, generating plans at the push of a button or with a vendor-independent product configurator without the intervention of electrical design.
   This enables you to dramatically reduce your design overhead from several weeks to just a few days or even a few hours and minutes.

IT and system integration
WSCAD has many efficient interfaces and can be seamlessly integrated into an existing IT environment, including PLM and ERP systems. This allows you to calculate offers in the development phase, create mechatronic parts lists and much more.

Global Business Services
Our seamless coordinated services reflect over 27 years of electrical CAD experience coupled with best practices from the industry. Benefit from our know-how. Ask us - we always find a solution!
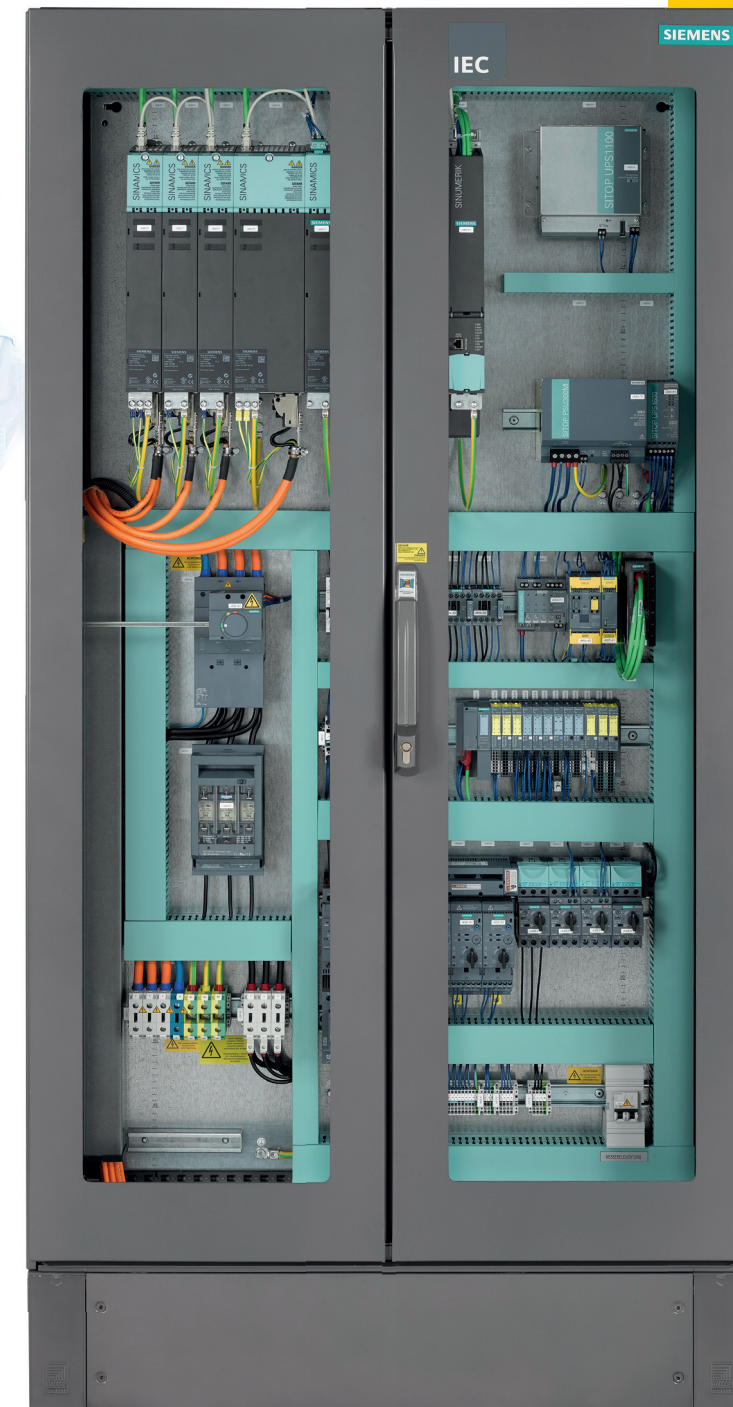
Individual maintenance and support
Forget aboutcall centers and enjoy our excellent support: quick, competent and personal. Choose the services that suit you from three maintenance levels.

Curious?
Convince yourself! Download our Demo version or call us if you are interested in a more extensive test. We would be happy to show you how to open up new dimensions with WSCAD Cabinet Engineering - even if you already have a different and possibly far more expensive electrical CAD solution in place.

WSCAD electronic GmbH, headquartered in Bergkirchen near Munich, offers enterprises and professionals fast and reliable E-CAD solutions with an outstanding price-performance ratio for the entire electrical engineering design and documentation. The modular and scalable WSCAD SUITE provides users from the fields of electrical engineering, cabinet engineering, P&ID, fluid technology, building automation and electrical installation with an integrated set of all the tools that are needed for the planning, design and development of electrical plants and equipment.

Standardization, reuse, and automation significantly accelerate engineering and design time, while also ensuring higher quality. With over 1.2 million parts from more than 150 manufacturers, wscaduniverse. com is by far the largest E-CAD data library of symbols and manufactured parts on the market and the only one that supports both WSCAD and EPLAN* users alike. The use and provision of data is free for users and the manufacturers of parts and equipment. Additional services from the WSCAD Global Business Services such as engineering and migration checkup, workflow integration, consulting, training on the digitizing and importing of paper documentation and third-party E-CAD formats round off the product range.

WSCAD is part of the Buhl group, an owner-managed software manufacturer in Germany, with more than 700 employees. The staff at the Bergkirchen and Würselen sites (in North Rhine-Westphalia) as well as an international dealer network serve 35,000 customers from all over the world.

This brand is owned by third parties that have no association with WSCAD electronic GmbH

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Professional Cabinet Engineering
… with Cabinet Engineering from WSCAD

Highly specialized control panel manufacturers need to be equally proficient in both the technology and the skills of the trade. In addition to the appropriate machines for production, it is crucial that they also have the right CAD tools.

Cabinet Engineering is one out of six disciplines from the WSCAD SUITE, the electrical engineering solution from WSCAD. The underlying schematics for the cabinet are either created with the Electrical Engineering discipline or imported from other E-CAD systems by using a wizard. Even a cabinet layout with no schematic is possible.

The functionality is comprehensive: macros accelerate the creation of cabinets, connections can be routed and wire lengths calculated at the push of a button. The filling degree of cable ducts is displayed, a 3D view provides better spatial awareness, and the gen-erated data can immediately be used for the production of wires, wire harnesses, cabinet doors or mounting plates via interfaces. Everything is on board. Even access to over 1.2 million symbols and part data from more than 160 manufacturers is totally free and an integral part of the software. The conditions for procurement and annually recurring support costs are nonetheless surprisingly favorable.

Cabinet layouts – fast, simple and efficient
- Based on previously created schematics or without schematics or with data from other electrical CAD systems
- Drag the cabinet, mounting rails, and power supply into drawings; macros and macro variants accelerate this process
- Snapping of components accurate to a tenth of a millimeter and with automatic right or left alignments

1.2 million symbols and part data
- Includes comprehensive database, automatic matching on importing third-party plans, free access to wscaduniverse.com with over 1.2 million current records from more than 150 manufacturers

Routing, wire lengths, display of filling degree
- Automatic wire routing of connections
- Wire length calculation
- Filling degree display of cable ducts (red, yellow, green)

3D view and thermal management
- 3D representation for better spatial awareness
- Interface to DeltaT from Elmeko for calculation of air-conditioning

Manufacturing integration for wire production included
- Label printing and cable labeling
- Production of wires and wire harnesses via service providers (menu structure item in the software)
- Direct control of NC machines for wire production (Komax, ...)

Production of cabinet doors and mounting plates
- Processing and transfer of mechanical data to NC machines of well-known manufacturers (Pentair/Steinhauer, ...)
- No additional M-CAD software required any longer

Intelligent documentation and maintenance app
- Automatic generation of the entire documentation - complete and standardized - in the form of PDFs with intelligent cross-references: no special viewer required, technicians on site can jump directly from the control cabinet to other plans
- Augmented reality in the control cabinet: The maintenance app reco-gnizes the targeted component, displays it in all plans, and displays all relevant data. Maintenance and service staff immediately know what they are dealing with.