

# **ELECTRIX AI – WSCAD Launches the First AI-Powered Electrical CAD Software – Up to 99% Faster Design**

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Bergkirchen, Germany. In today's fast-paced tech landscape, AI is now redefining electrical engineering design. WSCAD introduces ELECTRIX AI, the world's first AI-powered Electrical CAD solution, eliminating tedious manual steps and completing tasks in mere seconds – slashing design time by up to 99%. With smart error-checking, intuitive guidance, and the power to tackle complex tasks with simple commands, ELECTRIX AI is a game-changer for electrical engineers. Novices boost productivity faster, while seasoned pros free up time for more critical challenges, helping companies meet tight deadlines and bridge the skilled labor gap. *"ELECTRIX AI is revolutionizing how electrical design is done,"* says Axel Zein, CEO of WSCAD GmbH. *"We've seen massive time savings, and the streamlined process unlocks major productivity gains."*

## **ELECTRIX AI – Your Ultimate Productivity Booster**

At the core of this breakthrough technology is the AI Copilot. With just a click on the button marked by three asterisks, a chat window pops up, ready to assist users in their daily tasks. The AI Copilot reviews designs, find errors, and adapts to the user's needs on the fly. *"Instead of manually searching for components or designing from scratch, you just ask the AI Copilot and hand over the tasks,"* says Axel Zein.

From material lists to macros and components, everything is generated and positioned in record time. When using other electrical CAD software it can take over 20 clicks to create a BOM (bill of materials). In WSCAD it now happens in seconds with a simple *“Create the bill of materials”* command. Placing macros? A breeze – Ai Copilot takes 15 seconds to place four macros on a new page, down from the traditional five minutes. Need to check your design for errors? Just ask, *“Find the errors in this project,”* and ELECTRIX AI will scan your schematics in seconds, pinpointing open connections, missing assignments, or misplaced components. Even technical inquiries like wire gauges are resolved instantly. A quick request like *“Give me a copper wire, blue, 24V DC, 64A”* delivers the perfect wire with a 16mm<sup>2</sup> cross-section right to your cursor.

### **ELECTRIX AI – The Solution to Time Pressure and Workforce Shortages**

Beyond massive time savings, the real game-changer is how easy it is to use. ELECTRIX AI delivers specialized Electrical CAD expertise while continuously learning from user inputs, making it more efficient with each task. Novice users can now tackle jobs that were once for experts, while seasoned designers can focus on complex projects with significantly reduced time investment. *“This new division of labor supercharges productivity, enabling companies to handle growing demands more efficiently,”* says Axel Zein. *“By integrating AI into our Electrical CAD software, we unlock new possibilities and pave the way for enhanced productivity.”*

**Image captions:**

**Image 1:** As the first in the industry, WSCAD has embedded AI into their electrical CAD software ELECTRIX AI, transforming electrical design processes. With design processes up to 99% faster, this innovation unlocks new, unimaginable possibilities.



**Image 2:** WSCAD CEO Dr. Axel Zein: “With ELECTRIX AI’s integrated artificial intelligence, beginners can now tackle tasks once reserved for experts, while seasoned pros can focus on complex projects with significantly reduced time investment.”

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## About WSCAD

WSCAD is part of the Buhl Group, which has 700 employees and has been specializing in the development of Electrical-CAD solutions for over three decades. Customers include medium-sized companies, international corporations, and planning and engineering offices. More than 40,000 users from the machine and plant construction sectors, as well as from building automation and installation technology, work with the integrative WSCAD software. On a platform with a central database, it combines the six disciplines of electrical engineering, switch cabinet construction, process and fluid engineering, building automation, and electrical installation. A component exchange is immediately completed in the plans of all disciplines. Mechanisms for standardizing, reusing, and automating processes in electrical design and building automation shorten the planning and construction times from several weeks to just a few hours or minutes, with higher quality work results. Maintenance personnel and service technicians use the WSCAD Cabinet AR App to scan field devices and components in the control cabinet using a smartphone or tablet, and have immediate access to current electrical plans, including BMK, item data, and the original data sheets from the manufacturers.

Users can find over 2.1 million data sets from more than 400 manufacturers in the WSCAD-, EDZ-, DWG- and 3D-STEP format in the world's most powerful Electrical-CAD data library [wscaduniverse.com](https://wscaduniverse.com). Use is free of charge, as is the posting of product data by the manufacturers. Eleven seamlessly interlocking services from WSCAD Global Business Services round off the range of services: these include engineering and migration check-ups, workflow and processes, consulting and training, or digitizing paper documents and converting different Electrical-CAD formats.

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**Press contact:**

**WSCAD**

Zishan Shaikh

Tel.: +44 (0) 203 966 2446

[zishan@wscad.com](mailto:zishan@wscad.com)

**Editorial Contact:**

**walkerbretting Corporate Publishing GmbH**

Thomas Walker

[www.walkerbretting.com](http://www.walkerbretting.com)

[wscad@walkerbretting.com](mailto:wscad@walkerbretting.com)