

Press Release

September 18th, 2024

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

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 16mm² 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."*

wscad.com

((image captions, source WSCAD))



((image-01_ELECTRIX-AI-Advertisement.pdf))

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



((Image-02_WSCAD-CEO-Dr-Axel-Zein.pdf))

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, a part of the Buhl Group with 800 employees, has specialized in the development of electrical CAD solutions for over 30 years. Its client base ranges from small and medium businesses to global corporations, as well as engineering firms. With over 40,000 users across industries like machinery, plant engineering, building automation, and electrical installation, WSCAD's integrated platform delivers powerful solutions. The platform combines six key disciplines – electrical engineering, control cabinet design, P&ID, fluid engineering, building automation, and electrical installation – all seamlessly connected through a centralized database. Changes made to any component are instantly reflected across all disciplines.

WSCAD is also the first to bring artificial intelligence into electrical CAD, speeding up specific processes by up to 99%. This allows less experienced users to handle tasks once reserved for experts, while seasoned designers can dive deeper into more complex projects and gain plenty of time.

Designed for full compatibility with PLM/ERP systems, automation applications, and NC manufacturing centers, WSCAD effortlessly integrates into existing workflows. Modern apps make life easier for maintenance teams, service technicians, installers, and building planners. Meanwhile, electrical CAD enthusiasts can explore wscaduniverse.com – the largest electrical CAD data library with over 2.1 million components from 400+ manufacturers, in formats like WSCAD, DWG, EDZ, and 3D-STEP. Access to wscaduniverse.com is complimentary, with manufacturers also listing product data free of charge.

To help users unlock the full potential of its solutions, WSCAD Global Business Services offers a range of tailored support, from engineering and migration checkups to consulting, training, document digitization, and electrical CAD format conversions.