PRESS RELEASE

Artificial intelligence in electrical operations: Noocoon presents a product innovation and revolutionizes planning processes in the craft sector.

Berlin, Rostock / 26.4.2023. Noocoon Expert, the multiple award-winning software product of the Rostock-based company Smart Home Team GmbH, presents a product innovation in the craft industry with an AI (Machine Learning) based automated floor plan recognition. From now on, the planning and implementation of complex electrical installations will be significantly shortened. This solution has the potential to revolutionize planning processes in the craft sector. Noocoon is a cloud-based, mobile-applicable and intuitive software that disruptively shortens and simplifies previous planning and implementation processes for future-oriented electrical installations with building automation and renewable energy technologies.

As the first craft business to use a self-developed AI software in daily practice, Noocoon is further advancing the digitalization of the electrical industry. By selling the software nationwide (SaaS model), Noocoon enables electrical companies to implement innovative, climate-neutral electrical installations in an efficient and entrepreneurially successful way. The software, developed by an in-house IT team, enables users to digitally plan complex installations in buildings in the shortest possible time.

Dr. Marten von Velsen-Zerweck, Managing Director of Smart Home Team GmbH and co-founder of Noocoon: "We are proud to be pioneers in the use of AI in the craft industry with Noocoon. By using artificial intelligence, an extremely large amount of time can be saved in projects. Costs are significantly reduced. Thanks to Noocoon, planning a single-family home including a smart home system, photovoltaic system, energy storage and wallbox now takes only half an hour - instead of two days. In view of the shortage of skilled workers and supply shortages, the time saving is an important key to entrepreneurial success."

Prof. Dr. David Linner (CTO): "The use of artificial intelligence has played an important role in the development of the Noocoon Expert software from the very beginning, such as in automated material quantity planning. Machine learning is an elementary component of our software - whether in the extraction of planning-relevant information from construction drawings and floor plans or other construction documentation."

In one year, the process, which is based on automatic face recognition, will be rolled out to major trades. In two years, the company sees itself as the market leader for project planning and project execution for all trades in finishing and building in existing structures with its AI-based software solution. The next concrete goal is to integrate the heating trade with a focus on heat pumps.

Overall, the craft and building/real estate sector are driven by the German government's goal to achieve climate neutrality by 2045. The building sector accounts for almost 30% of greenhouse gas emissions in Germany. By 2030, 40% of these emissions, which currently amount to 120 million tons of CO_2, should be reduced to 70 million tons of CO_2. Achieving these goals requires a real revolution in the planning and implementation processes of the craft sector. At this point, Noocoon positions itself as an important player and relevant problem solver through the digitization of crafts using AI-based software tools. "I am sure that modern AI-supported software will significantly change the entire craft industry in the next three years. Today, planning activities and administration still take up a large part of an electrician's time. Digitization brings efficiency: the essential time input can be focused on the craft activities again. This makes the craft industry more

attractive overall. Thus, despite a shortage of skilled workers, we will manage the transition to a decentralized, largely climate-neutral energy supply," says Dr. Marten von Velsen-Zerweck.

We invite you to our webinar on Thursday, May 4th, 2023 at 4:00 PM: Floor plan recognition & innovations in planning with Noocoon Expert.

Register here.

About Noocoon:

Noocoon is a brand of Smart Home Team GmbH based in Rostock. The company employs 30 people at locations in Rostock, Berlin, and Hamburg. Noocoon Expert is a cloud-based, mobile, and intuitive software tool for wired installations for building automation in conjunction with renewable energy technologies. With Noocoon, electricians, TGA planners, and real estate developers can configure, plan, and create comprehensive quotes for automated and renewable energy-powered homes and buildings based on individual customer needs in the shortest possible time. Based on the experience of over 300 self-conducted projects, the software creates alternative plans for various systems, which are then financially directly comparable.
More information can be found at www.noocoon.de.