

CUSTOMER REPORT

PDF editor for circuit diagrams



PDF EDITOR FOR CIRCUIT DIAGRAMS

The company b_digital GmbH was looking for a way to improve work with the circuit diagram for a switch cabinet manufacturer from NRW. The task was to close the gap in the digital chain between eCAD and assembly. As there was no suitable software solution on the market, b_digital developed one on its own. skemdit, the PDF editor for circuit diagrams.

MASCHINENFABRIK NIEHOFF GMBH & CO. KG

The world's leading supplier of wire drawing machines for the cable and wire industry develops everything from individual machines to complete systems. Maschinenfabrik Niehoff GmbH & Co. KG offers a comprehensive product portfolio that covers the entire process chain for the production of wires, strands and cables. The family-owned company was founded in 1951. The headquarters are in Schwabach, Bavaria. With over 1,000 employees worldwide and subsidiaries in Europe, Asia and America, the company ensures a global presence and proximity to its customers.

THE TASK

Maschinenfabrik Niehoff GmbH & Co. KG was also looking for a way to improve work with the circuit diagram for its own control cabinet construction. The Company wanted to implement and establish a PDF software with which the circuit diagrams can be digitally processed in production.

THE CHALLENGE

The biggest challenge turned out to be that the CAD system from Maschinenfabrik Niehoff GmbH & Co. KG generates a smart PDF. This meant that the PDF could not be edited in the usual way with skemdit. A solution was developed in close contact between the two companies.



„The range of functions corresponds pretty much exactly to our expectations. You can tell that the solution comes from practical experience. The decision was quickly made in favour of skemdit.“

Frank Wechsler, Test Field and Field Service, Niehoff GmbH & Co. KG



THE PERFORMANCE

The customer received the first test licenses in spring 2021. Employees of Niehoff were trained as key users. 40 licences were introduced to the customer with the skemdit.sps extension. This enables the company to view the status of input and output bits directly in the circuit diagram. Commissioning engineers can complete the I/O check more quickly and maintenance staff can localise faults in a system more quickly.

The new skemdit update called 'Luna' was released at the end of July 2024, with performance improvements and many new features.

Maschinenfabrik Niehoff GmbH & Co. KG initially used the new software at its headquarters in Schwabach and at its site in Marktoberdorf. Somewhat later, production in Nymburg, Czech Republic, was also integrated into the process. Conclusion: By the end of 2024, Maschinenfabrik Niehoff GmbH & Co. KG will be using skemdit in three plants with a total of over 150 licences.

THE BENEFITS

- skemdit is a product from practice for practice
- Work in paperless form
- Reduced process costs
- Find changes more quickly
- Shorter lead times for revisions
- Assured documentation quality
- Direct contact, fast implementation
- Training of key users

WE LOOK FORWARD TO
YOUR QUESTIONS.