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AUTOMATION TECHNOLOGY ENGINEERING INDUSTRIAL TRADE INDUSTRIAL SERVICE TECHNICS

REFERENCE

Switchgear construction/extraction technology

Engineering, switchgear construction, visualisation and commissioning for a wood extraction system



CLIENT



DEVEX Verfahrenstechnik GmbH
Splieterstraße 70
48231 Warendorf

PROJECT COMPLETED BY

Blumenbecker
Automatisierungstechnik GmbH
Sudhoferweg 99-107
59269 Beckum

T: +49 2521 8406-0
bat.beckum@blumenbecker.com

COMMISSION

Planning and production of a switchgear system, software creation including visualisation and commissioning for a wood extraction system

Execution: 2020

ENGINEERING, SWITCHGEAR CONSTRUCTION, SOFTWARE CREATION INCLUDING VISUALISATION AND COMMISSIONING

From advice and project planning, through construction and software development to switchgear production, electrical assembly and commissioning – Blumenbecker offers all automation services from a single source. We construct in CAD and EPLAN P8 and produce switchgear systems at our modern site in Beckum. At an independent test facility, our qualified specialists conduct tests according to all pertinent standards and regulations, including for the explosion hazard sector.

DEVEX VERFAHRENSTECHNIK GMBH COMMISSION

■ Founded in 2015 and based in Warendorf in Westphalia, the company designs and builds turn-key plants, machines and systems. Its focuses lie in extraction, evaporation and drying technology for the pharmaceutical, food, cosmetic and chemical industries. In the field of extraction systems, DEVEX has broad experience in design, production, installation and equipment for obtaining essential oils, oleo-resins, aromas, natural extracts and proteins. The company has been part of the Amandus Kahl Group since 2016.

■ Blumenbecker can look back on decades of experience in the chemical and explosion hazard field. This was particularly decisive for the first order for DEVEX.

DEVEX contracted Blumenbecker with the planning and production of a switchgear system including software and commissioning for a wood extraction system. The scope of delivery included a switch cabinet and associated control console which had to be approved for the explosion hazard field. The wood extraction system is used at the Bern University of Applied Sciences in Switzerland for test purposes.





»Blumenbecker excels in quality and competence. We can definitely recommend Blumenbecker.«

Petar Petrov, Electrical Engineer, DEVEX Verfahrenstechnik GmbH

PROJECT EXECUTION

■ The wood extraction system itself is placed in the explosion hazard area and features actuators and sensors with different explosion protection categories. Blumenbecker had to bring them together in a central switch cabinet. The plant is operated using a touch screen. The control panel was approved for the explosion hazard area thanks to its design.

For the first time, the new Blumenbecker app EIP.mobile was used in switchgear construction, with field devices also defined with a QR code. The use of EIP.mobile was only originally intended for the Blumenbecker switch cabinet, but was extended to cover the entire system at the customer's request. The system components were therefore marked with QR codes.

EIP.mobile is an app for digital system documentation. Using the equipment identifier or the attached QR code, system components can be clearly identified and called up digitally. This allows the user to access the entire assembly, its components and the associated handbooks. Moreover, the circuit diagram, assembly diagram or layout plan are displayed directly in EIP.mobile.

Digital system documentation
With EIP.mobile, the customer has access to the system documentation at any time.

ADVANTAGES

■ DEVEX received all automation solutions for this project from a single source – including engineering, switchgear construction, visualisation and commissioning.

Blumenbecker carries out production and tests according to standards UL 508A and UL 698A for the explosion hazard area and has decades of experience in the explosion hazard and chemical sector.

Thanks to the Blumenbecker app EIP.mobile, all system information is directly available.



WE LOOK FORWARD TO
HEARING FROM YOU.