



HANDL TYROL

THE CUSTOMER

HANDL TYROL is the best-known and largest producer of Tiroler Speck PGI. The family-owned company, founded in 1902, employs around 550 people at four locations. Annually it produces some 15,000 tonnes of original Tyrolean bacon, ham, raw sausage and roast meat products which it exports to 25 countries. In addition to the highest quality standards and the great taste of the products, HANDL TYROL owes its success to frequent innovation in production technology and product variants.

THE CHALLENGE

The process of making Tiroler Speck PGI takes several months. To meet retail demand, HANDL TYROL set up a new production facility for its core ham and loin bacon products, according to its proven, efficient and partly prescribed production processes. A high level of automation in line with Industry 4.0 will enable the flexible and energy-efficient production of large quantities, while making it easier to continue to meet high quality standards and reporting obligations.

THE SOLUTION

With COPA-DATA's Silver Partner ematic gmbh, HANDL had previously created a comprehensive, multi-site plant and building management solution based on zenon at its existing locations. At the new production facility the system was extended to all the process equipment, production machines and conveyor systems, including an automated guided vehicle system. At each location, a control center was set up. A digital twin of the new system provided an excellent basis for planning. Comprehensive software for the highly automated operation of machines and systems now covers the traditional functions of process control, SCADA, HMI and PLC.

THE TECHNOLOGY

The ematic technicians used a large number of the wide range of features offered by zenon. In addition to the SAP interface, this includes Equipment Modeling and the Extended Trend module. Since there are around 40 PLCs from different manufacturers in the overall system, in some cases ematic also used zenon's integrated software modules for VSTA and the soft PLC zenon Logic to optimally integrate all hardware.

THE BENEFITS

Complete automation using zenon ensures that Tiroler Speck PGI is being made according to traditional methods but with state-of-the-art production. This enables further growth, and ensures a consistently high-quality end product. With standardized user interfaces and extensive reporting options, the zenon implementation ideally supports production control staff. The fully integrated data flow across all systems enables the operations management team to control the entire plant with minimal effort and implement process optimization very quickly.

HANDL TYROL GMBH

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