



CNT Success Story



Digitalizing a Tyrolean bacon producer – the “smart factory” pathway

Based in the Tyrolean Oberland region, Handl Tyrol GmbH is a multi-award-winning producer of bacon, raw sausage and ham. With approximately 600 employees, the company generates revenues in the amount of 145 million euro (2019). The production site in Haiming, which was named ‘factory of the year’ in 2020, went into full operation in the summer of 2018 following 13 months of construction and investments of around 50 million euros.

INITIAL SITUATION

The Tyrolean family business is based in Pians, with a service center in Schönwies and an additional production site in Naturns, South Tyrol.

Spurred by the high demand for its ham and bacon specialties, the opening of the now award-winning production site in Haiming – which focuses exclusively on bacon production – followed in 2018.

From the outset, the 20.000 m² state-of-the-art production facility was being designed with the clear aim of standardizing and automating the very complex production and warehouse management processes. A major focus lay in paperless organization and highly accurate product traceability.

MAIN GOALS

During project preparation, the “bacon maestros” at Handl Tyrol were already certain that even with a high level of automation and process control, the classic method of bacon production could not be compromised. As a result, this philosophy also had to find its way into the new production, says CNT consultant Früh. This has an effect particularly on the preparation of fresh raw materials and the division into quality levels; however, it also comes into play regarding recipe accuracy, temperature selection to the nearest tenth of a degree as well as maturing and resting times. All of this was defined by the team’s empirical values, but now complex sensor technology is being added and with it the possible evaluation of millions of pieces of data and the further refinement of the production process.

“Craftsmanship meets digitalization – and that is how it is passed on to the next generation by Handl Tyrol’s bacon specialists.”



Karl Christian Handl

Managing director, Handl Tyrol GmbH



Your contact:

The SAP consulting firm CNT Management Consulting AG was founded in 1999 in Vienna. Around 300 consultants advise companies in Austria, Germany, Switzerland, Belgium, Italy, the USA and Brazil in all areas of SAP integration. With around 81 million euros in revenues (2021), the company is one of the market leaders for SAP consulting in Austria and is aiming for further revenue and employee growth in the coming years.

Jürgen Früh
Solution Architect



SOLUTION

When asked about the essential innovations in the production process, the CNT project manager mentions the automated connection and visualization of the warehouse and the conveyor system: "We provide data from the SAP system so that each individual rack (loaded with quality goods) can be activated and pushed towards the next production step using drag and drop." Additionally, there is the possible updating of production orders using feedback from transports or goods movements which have already been carried out.

The high degree of automation does not only lead to a corresponding increase in the productivity of each individual employee, but also to an enormous efficiency in the entire production site. These are first-rate supervisors that are involved in digital control and visual monitoring.



YOUR BENEFIT

Many factors determine the quality of the finished product. Therefore, constant measuring and monitoring is important. Whether it is temperature, indoor climate, refrigeration and heating or energy demand – with every goods movement, updated data is delivered for each batch. The collection and analysis of that data, which is obtained using the various sensors, then also forms the basis for ongoing quality assurance and process improvement.

Figures about our customer and project



170

Million euros in sales in 2021



14

Months project duration



700

Employees



100

Man-days on the project



105

Active users



3

Consultants on the project team



CNT represented in numbers



300

Process and SAP consultants in 10 locations



81

Million euros in sales in 2021



23

Years of history and innovation



200

Clients in Europe, South America, USA, Africa and Australia



60

Productive SAP S/4HANA/Ariba installations