

# sabris

friendly professional

## S2AP for Food by Sabris

**Large meat processing plants usually employ 800 people. A fully automated plant of the same size employs only 200 people.**

The companies active in the meat industry across the world face number of challenges. There is growing number of statutory requirements and requirements of the customers, the pressure to maintain quality, health of the livestock and its living conditions. All of this means further investments and costs for the producers. Furthermore, the meat industry's market is getting more and more competitive, the sales channels are changing, and the influence of digital transformation is growing.



For its first fully automated salami production plant, the Russian company Cherkizovo Group chose ERP system SAP S/4HANA together with the S2AP for Food solution from Sabris.

"I consider the entire IT solution, where the entire production process is controlled by the ERP system, a part of the innovation. I don't know anyone who controls, manages and monitors the entire process in such depth."

*Alexey Suharev, Head MES / MES Architect, Cherkizovo Group*

Let's take a look at the S2AP for Food solution which provides management, optimisation and automation of work processes so that the above mentioned challenges can be faced while still gaining sufficient profit - from planning through procurement, management of machines and workers in production to the dispatch of the finished product.

**The S2AP for Food solution offers tools for a system support of all business processes of meat producers. Let's briefly go through them and explain how they logically follow one another.**

First of all, we need to determine the prices of the produced semi-finished and finished products. The calculations are designed so as to allocate maximum of all costs directly to the products and thus minimise the costs allocated to a product by a percentage of overhead expenses. This approach of precise allocation of costs to products allows for the most efficient management of the product portfolio from the perspective of profitability of the individual products.

We continue by planning on the basis of which an optimised plan of production and procurement is created.

Next is an efficient intake of the procured livestock, meat ingredients and auxiliary production materials. On intake, the quality control will take place and the material will be stored in a stockroom or, in the case of livestock, in a stable.

The system then generates requirements for transport of materials from the stockroom to the production workplace (slaughter, butcher, sausage filling, ...), where the transported materials are consumed in production. To achieve the maximum efficiency, all manipulation with materials is done through bar codes or RFID chips.

At the time of production, the semi-finished or finished products are labelled, and the production is recorded in the system. Both production and manipulation operations can be performed and recorded in the system by the workers as well as by the production or manipulation equipment. This allows the system to know about each operation regarding the product.

To increase efficiency of production, the productivity of workers and production equipment can be evaluated which then allows to take appropriate measures.

Monitoring of quality during the entire process from procurement through stockrooms and production to dispatched finished products is a matter of course. The dispatch of finished products is optimised for high speed dispatch process, both for palette dispatch to wholesale customers and conveyor belt dispatch to retailers.

After the sale of finished products, the profitability of the products, customers and segments of the market is evaluated. On the basis of this evaluation the product portfolio can be optimised, and customer relations can be managed.



**SAP Innovation Awards (worldwide)**

**Category:** Digital Trailblazer

For a fully automated production plant of Cherkizovo Group in the town of Kashira



**SAP Quality Awards (CEE region)**

**Category:** Middle implementation

For the successful project of comprehensive delivery of the ERP system in the company Kostelecké uzeniny

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