

New Control System for Flour Mill Industry

Stadtmühle Schenk selects ICS retrofit solution

ICS fit[®] PCS



OUR CUSTOMER

Stadmühle Schenk AG has been producing quality flour to the highest standards since 1887. With around 230 silos, two mills (total capacity of 264 t/24 h) and two flour mixers (capacity of 24 t/h), Stadtmühle Schenk is one of the leading flour producers in Switzerland. Flours of all kinds, baking mixes, muesli mixes and breadcrumbs are produced at the site in Ostermundigen and supplied to the food industry, commercial bakeries, retail stores and the food service industry.



Stadmühle Schenk

230

SILO
MONITORING

25

PROCESS LINE
CONTROL

STARTING POINT

Stadmühle Schenk AG was faced with the decision of either carrying out a complex upgrade of the existing control system from 2005 (including WinCos & operating system) or integrating additional urgently needed functions and control elements by means of a retrofit with a new control system.

In addition to the range of functions and the overall costs, the following criteria were in particular important for Stadtmühle Schenk AG to choose the retrofit solution from ICS Automation:

- The future partner should guarantee local 24/7 support from Switzerland in the long-term
- Improved support access and assistance should be guaranteed via remote access
- Short response times for requests, optimizations and additional features
- Establishment of a long-term Swiss partner relationship amongst equals



PROJECT REALIZATION

- Assessment of the existing functionality
- Valuation of the specific customer requirements
- Concept for conversion and go-live phase
- Improved tools for traceability
- Integration of ten different device types (e.g. scales etc.)
- Software development for PLC, PCS and visualization
- Setup of a digital twin
- Refurbishment, tests and commissioning on site over 4 weekends
- Training, support and optimization

FEATURES

- New, for the milling industry optimized control and operating concept
- Job handling for unmanned operation
- Audit trail through the entire process
- Modernization of network & IT, including remote access
- 6 new widescreen operator stations
- PLC retrofit with 3 new Siemens S7-1517-3

4500

INSTALLED SENSORS
AND ACTUATORS

4x2

DAYS
DOWNTIME

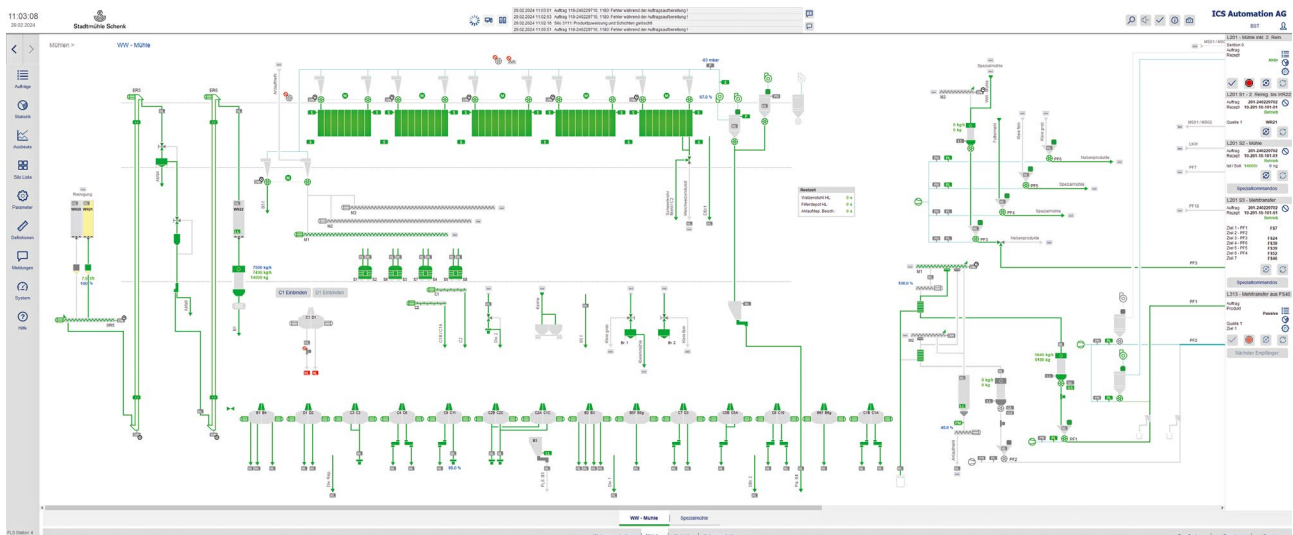


In ICS, we have found a reliable automation partner for a project of this size and scope. The team responded extremely competent to our needs and presented us quickly ideal and secure solutions for our complex requirements. We were impressed by the professional implementation of the project by everyone involved, which ultimately led to a punctual and successful go-live with the new ICS control system. Thanks to the sustainable solutions from ICS, we now benefit from intuitive operating and evaluation options that have led to noticeable and measurable improvements and efficiency increases as well as greater process reliability in all production processes.

Peter Grossenbacher
Managing Director
Stadtmühle Schenk AG

BENEFITS

- Error reduction thanks to improved production overview and monitoring
- Improved process reliability in production, even unmanned
- Measurable increase in efficiency in many plant areas
- Improved overview and transparency thanks to more targeted display of information
- Less downtime thanks to remote access for customer employees
- Faster decision-making thanks to detailed plant data and fault analyses
- Automation solution independent of the machine manufacturer
- Simple and intuitive operator control
- Traceability throughout the entire processing chain, from incoming materials to outgoing goods
- Preservation of investments, as all existing machines are integrated
- 24/7 support for the entire system





ABOUT US

Together we make your production fit[®]

The continuous success of ICS Automation and our subsidiary, ACS Solution, has been based on a clear focus on the automation and digitalization of production processes since 1993. Rooted in Switzerland, we are continuously developing further our own software solutions and services for customers all over the world. The customer needs are always our top priority.

Your contact



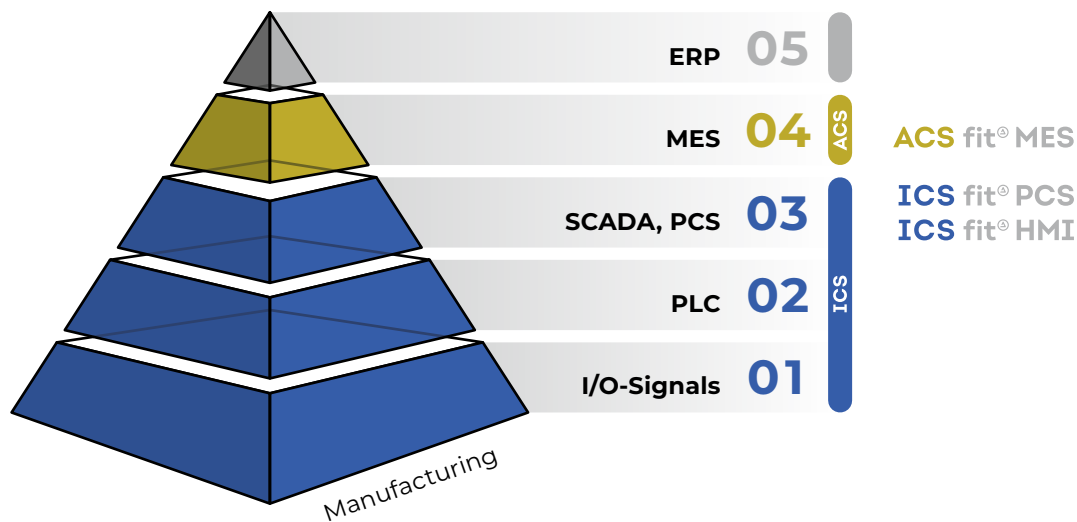
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