

**SIEMENS**

# Reference with focus on SIMATIC S7-400



## "Brewing with S7-400"

Spaten-  
Löwenbräu

Customer: Spaten-Löwenbräu  
Sector: Foodstuffs and beverages industry

Spaten-  
Löwenbräu

### The customer's requirements:

- Replacement of old controllers with the latest generation of CPUs in the entire production plant
- Integration of additional functionality (yeast beer recuperation) and boosting of control performance

### The customer's decision:

- Total of 18 SIMATIC S7 CPU 414-4 controllers
- S7-400 controls 700 valves directly, 3,000 valves indirectly, 182 analog inputs and 60 PID control loops
- IM463-2 for interfacing existing S7-115U I/O



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### The customer's advantages:

- Cycle time has dropped from 1,050ms to 179ms
  - Control now performs the task with 5.8-fold performance
- Additional functionality leads to an increase in production capacity and added value from sale of the yeast
- No-problem takeover of the system thanks to new control without program or configuration changes
- Seamless interplay of all SIMATIC controllers
- CiR (Configuration in Run) possible

