

## CUSTOMER CASE STUDY

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# Delicious production KPIs: Coop uses AVEVA™ PI System™ to reduce production costs and increase availability

Company name - COOP

Industry - Food and beverage

## Challenge

- No existing layer for operations data and calculation of solid operations KPIs

## Solution

- Installed AVEVA PI System and AVEVA™ PI Vision™ to eliminate data silos

## Result

- Started over 78 uses cases in one year and increased overall equipment effectiveness (OEE). Coop is ready for industrial internet of things (IIOT), data science, and artificial intelligence (AI) projects.

Coop began as a small consumer cooperative, but over its 150-year history, Coop grew to become one of Switzerland's largest retail and wholesale companies. Coop is widely known in Switzerland as a supermarket, but its operations also include manufacturing in a range of areas from grain and chocolate processing, to cosmetics and wine bottling.

Coop also operates the largest bakery in Switzerland. In 2020, Coop generated 31 billion Swiss francs in sales. At its largest site in Schafisheim, Coop installed AVEVA PI System to optimize operations. Coop's facilities in Schafisheim include a national and regional distribution center for frozen products and also a large bakery for producing its brand-named products.

# PowerBI Vergangenheit Manuelle Anomalie Erkennung



19 Coop der Weg zur Operation Analytics, A. Wenzelmann

## Finding the single source of data truth

When Andreas Wenzelmann, leader of the competence automation centrum at Coop, started at the company, he had a clear vision of a future OT infrastructure. The requirements were quite tough:

- Proven standard system out-of-the-box – no manual coding necessary
- Platform should be open for all types of data and vendors
- Seamless embedding of new software solutions in the existing IT/production landscape
- Independent setup and maintenance from system integrators/service providers
- Linking sensor data and BI systems

After thoroughly monitoring and checking different vendors, Wenzelmann decided to go with AVEVA PI System. One reason was AVEVA PI System's clear self-service approach.

In other words, no extra partner or system integrator was needed for implementation. In addition, AVEVA PI System and AVEVA PI Vision are easy to use, well-known in the market, and longtime trusted software.

The system was easily implemented right out of the box and quickly showed clear benefits for the production and logistic units of Coop:

- Quick realization of 78 use cases in one year
- Single truth data lake meant AVEVA PI System integrated all types of data and software
- Improved efficiency of production OEE
- Set up KPI as a base for increasing efficiency
- Calculation of KPIs based on over 70 operational parameters was possible

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“The visualization suite AVEVA PI Vision is so easy and intuitive that even our bakers can easily set up the dashboards for their bakery unit.”

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**Andreas Wenzelmann**  
Head of Coop automatization



Material Fluss / Leistung

## Data silos are history

One year after implementation, Wenzelmann is very happy with the performance of AVEVA PI System and its function as the main OT layer in Coop.

“Many data silos have been eliminated, and AVEVA PI System enabled us to connect all our sensors and assets from over 3,000 sources.”

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**Andreas Wenzelmann**  
 Head of Coop automatization

## Use case example: Advanced material flow tracking

### Requirements:

- In the logistics area, transport roadways are automatically routed and optimized
- Material flow should be recorded and optimized
- 12000 to 13000 transport ways per day should be covered, monitored, tracked, and improved

### Solution with AVEVA PI Vision:

- Advanced transparency and measurement of all data
- Setup of KPIs
- Connection with Power BI means manual anomaly detection

Visit our [AVEVA PI System page](#) to learn more about collecting, storing, and accessing your real-time operations data.

To learn more about how COOP used AVEVA PI System to improve its operational efficiency, watch the [full German-language presentation](#).