Integrated MDC Solution as the Basis for Increasing OEE on Heterogeneous Production Lines

Laverana Naturkosmetik GmbH & Co. KG

“Laverana can be summed up in a nutshell: made in Germany – in the Hanover region, certified natural cosmetics are manufactured in a closed chain of expertise and value creation.”

“Natural cosmetics for everyone, everywhere – the vision that drives us is to make natural cosmetics accessible to all. We follow the principle of democratization, because from the very beginning it was important to us to fulfill every beauty wish of customers worldwide with appealing, effective and natural products at affordable prices, and to redefine the world of cosmetics.”

The Solution

Individually configured and implemented MDC solution for production lines.

- Use of OPC UA as the core element of vendor-independent communication
- Freely configurable dashboards for those responsible for line monitoring (maintenance and production)
- Individually configurable key performance indicator (KPI) calculations
- Cost-effective retrofit solution for machines from a wide range of manufacturers



Image: Laverana GmbH & Co. KG

“From project planning and the rollout of the solution on our production lines to the ongoing support of the MDC solution – every phase of our collaboration was characterized by a deep overall understanding of our challenges and by personal commitment. We particularly valued the fast and successful implementation of the tailored solutions as well as the accompanying on-the-job training for our employees.”

Benjamin Jürgens, Senior Manager Industrial Engineering at Laverana GmbH & Co. KG

Why 2kai?

We are a team of engineers and computer scientists – we see tasks from our customers’ perspective and speak the language of decision-makers in medium-sized manufacturing companies.

What sets 2kai apart:

- We design solutions so that they are tailored to your processes and requirements.
- We use innovative solutions to retrofit existing equipment, so that the upgrade never costs more than the machine itself
- In times of skilled labor shortages, we upskill your employees through focused on-the-job training in your own environment
- Broad experience from numerous OT/IT projects in brownfield environments

Key Facts:

- Turnkey solution from a single source – from concept to operation
- Very fast and cost-effective implementation through a customer-specific combination of base modules from the 2kai framework
- Support in designing and implementing the associated network and IT security concept
- Remote support for all components of the customer solutions ensures high availability
- On-site on-the-job training for the employees responsible for the MDC solution
- Design of dashboards for line monitoring according to user specifications
- Handling of all necessary documentation tasks

2kai - We make it happen –
We integrate industrial OT, IoT and IT into single-source solutions.

2kai – to know about it.

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