How Does a Logistics System Become a Smart Factory?

From systems planning and delivery to ongoing management, GEBHARDT Fördertechnik offers its customers end-to-end support for transport systems, assembly systems, and technology for storage, sorting, and distribution. Founded in 1952, the company now aims to go much further for its customers in the future – with smart manufacturing.

Using SAP® Leonardo technologies, the conveyor technology specialist based in Baden-Württemberg, Germany, developed its new platform Galileo IoT. This is based on the SAP Cloud Platform, and was created using the SAP IoT Application Enablement toolkit and the SAP Asset Intelligence Network. Galileo IoT allows customers to evaluate data on all components at a facility. This helps GEBHARDT’s customers see which gears need to be replaced soon or monitor the temperature of each motor, for example. In this way, customers are able to avoid failures, plan maintenance better, and save costs. GEBHARDT can even use the platform to develop a new business model, moving away from being a simple supplier and instead toward being a comprehensive service provider for intralogistics.
“Predictive maintenance and augmented reality glasses hugely simplify machine inspection. We have now virtually eliminated unplanned downtime.”

Karl Denz, Head of Manufacturing Tools, GEBHARDT Fördertechnik GmbH

Soon, all facilities at GEBHARDT Fördertechnik will be optimized for the next generation of intralogistics. This will allow customers to create their own personal smart factory quickly and efficiently. Still, the company is already thinking ahead: In the mid-term, customers will be able to retrofit existing machines and integrate third-party systems.
GEBHARDT Fördertechnik: Introducing Next-Generation Intralogistics

GEBHARDT Fördertechnik implemented applications powered by SAP® Leonardo and now benefits from a smart factory. Since doing this, the company has enabled itself and its customers to enter the next generation of intralogistics. Systems are equipped with sensors, and customers have full control over their machinery – and a better service than ever before.

Before: Challenges and Opportunities
- Improve customer service
- Set new standards in the industry
- Become a driver of innovation

Why SAP?
- Future-proof solutions portfolio
- Satisfied customer of SAP solutions, including SAP ERP, SAP Jam™, and SAP SuccessFactors® Learning.

After: Value-Driven Results
- Successful implementation of smart manufacturing at own company
- Real-time management of the entire production line and warehousing thanks to data networking.
- Revolutionized intralogistics for GEBHARDT customers: All new products enable predictive maintenance, condition monitoring, augmented reality, and other capabilities.
- All system components, from mechanics to control and software, are digital and connected. Dashboards provide continuous information on the condition of all components.
- Transparent material flow at every stage, and ability to integrate pallet shuttles and autonomous transport systems.
- Customers’ legacy or third-party systems can be retrofitted with sophisticated technology to enable smart factory integration. GEBHARDT provides new services through use of digital twin technology.

“With our Galileo IoT platform based on SAP, we bring our customers’ logistics equipment up to date with the latest standard of technology.”

Stephan Riemensperger, Head of Sales Tools, GEBHARDT Fördertechnik GmbH