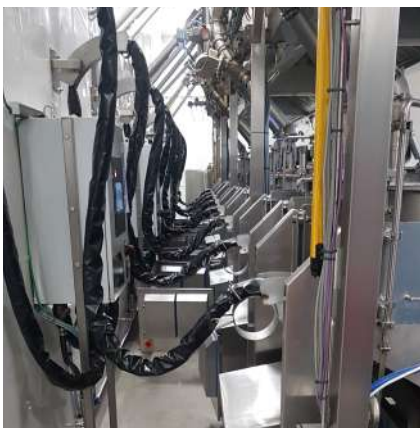




SCADA WinCC Process OEE URS FDS SDS SAT
HMI PLC TIA portal Simatic Servo drives Graph
Manufacturing Safety GAMP5 CSV MindSphere

Case study of process optimisation on an automated food production line



A UK branch of an enterprise experienced a high level of product waste on their manufacturing line. This caused sub-optimal performance and increased production costs.

The customer identified the problem and established its root cause. They decided to invest in modernising that part of the process. We were brought in to design, implement, and commission the automation and control system for the upgraded section of the production line.

We used a simplified V-model (from GAMP5) to manage the project from concept to completion. In the PLC we used the Moore Sequential Model to ensure 100% repeatability of the process steps and to maintain a high-quality level of the product.

Following tests and initial production runs, we were able to demonstrate to the customer a significant reduction in product waste, meeting expectations specified in the business case that the project started with.

The new system resulted in further **product waste reduction of 22%** compared to the level before the modernisation.



*To improve any process,
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