Consulting

Implementation

Optimization

Assessment of the customer company's level of digitalization by our service experts.

Development of a digitalization strategy tailored to your needs and business drivers.

Implementing tailored solutions by generating digital twins of our customers machines, plants, production and products
in order to realize his digital transformation.

Data analytics as well as artificial intelligence turn data into valuable insights for a continuous improvement and transparency in order to help our customers to reach their next level of productivity.

Reference
Nestlé, Juuka, Finland

"Juuka digitalization showcase will act as a global best practice model for Siemens / Nestlé cooperation

Peter Suess, Chief Engineer, Nestlé

Reference Nestlé, Juuka, Finland – Customer challenges and benefits

Challenges

- Increase transparency of manufacuring process prozess, in order to increase quality and performance to the next level

- Improve competitiveness and profitability with reduced cost-of-production

- Solution for Closed Loop Manufacturing including Plant Simulation, TIA Portal, Preactor Scheduling and MindSphere IIoT

- Need for an automatic and transparent production environment that enables continuous development

Benefits

- Production transparency

- Increased productivity

- Performance-based service contract and collaborative approach with Siemens experts (less risk, shared benefit)
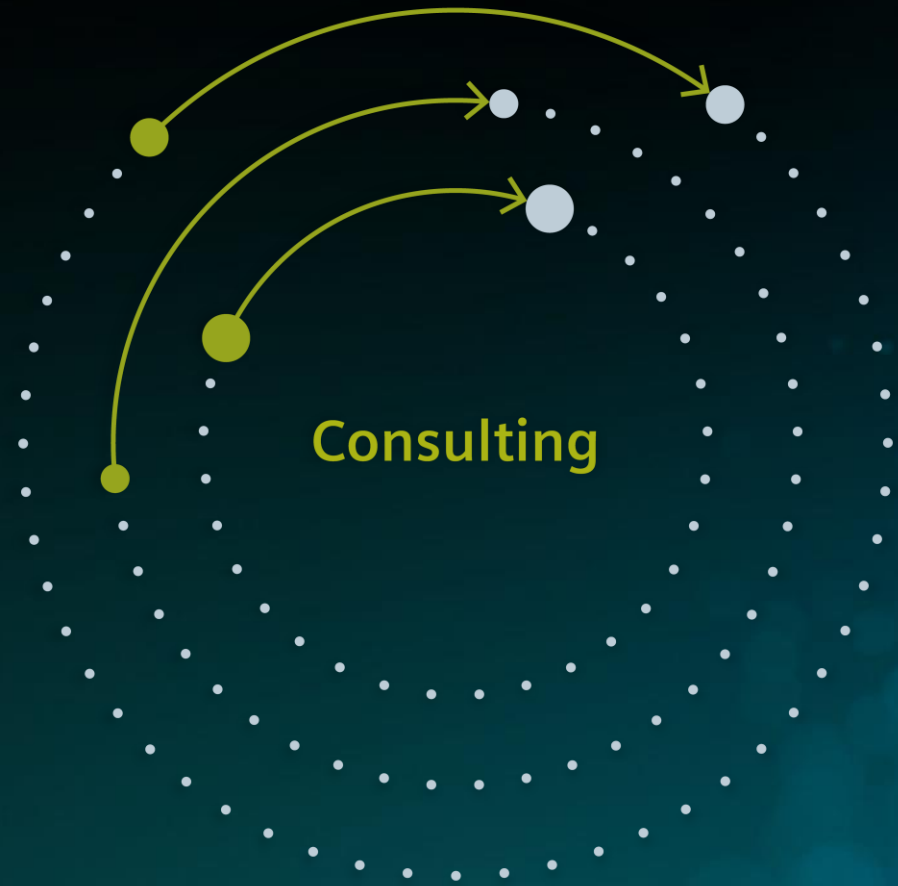
Consulting

- Consultative discussions and workshops including all relevant stakeholders in the ecosystem: Nestlé, Siemens Experts , process consultants, integrators etc.

- Analyze the production by using a Digital Twin (Tecnomatix Plant Simulation) model of the plant
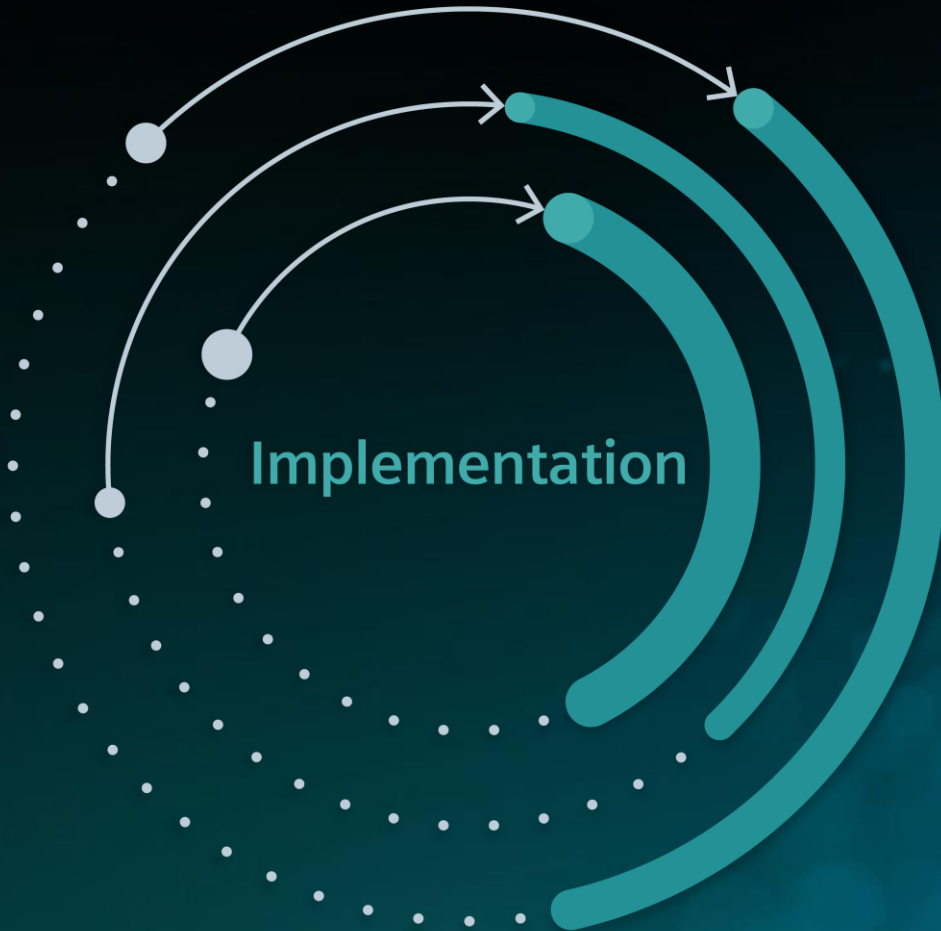
Implementation

- The complete factory automation system was modernized to the latest state-of-the art engineering (TIA portal V15) and equipped with the relevant industrial software platforms to ensure open and continuous data-driven development

- Siemens used the latest technologies in engineering such as simulation (SIMIT, PLC SIM) and virtual commissioning (SINEMA server)

- MindSphere connection for data gathering and transparency

March 4, 2020
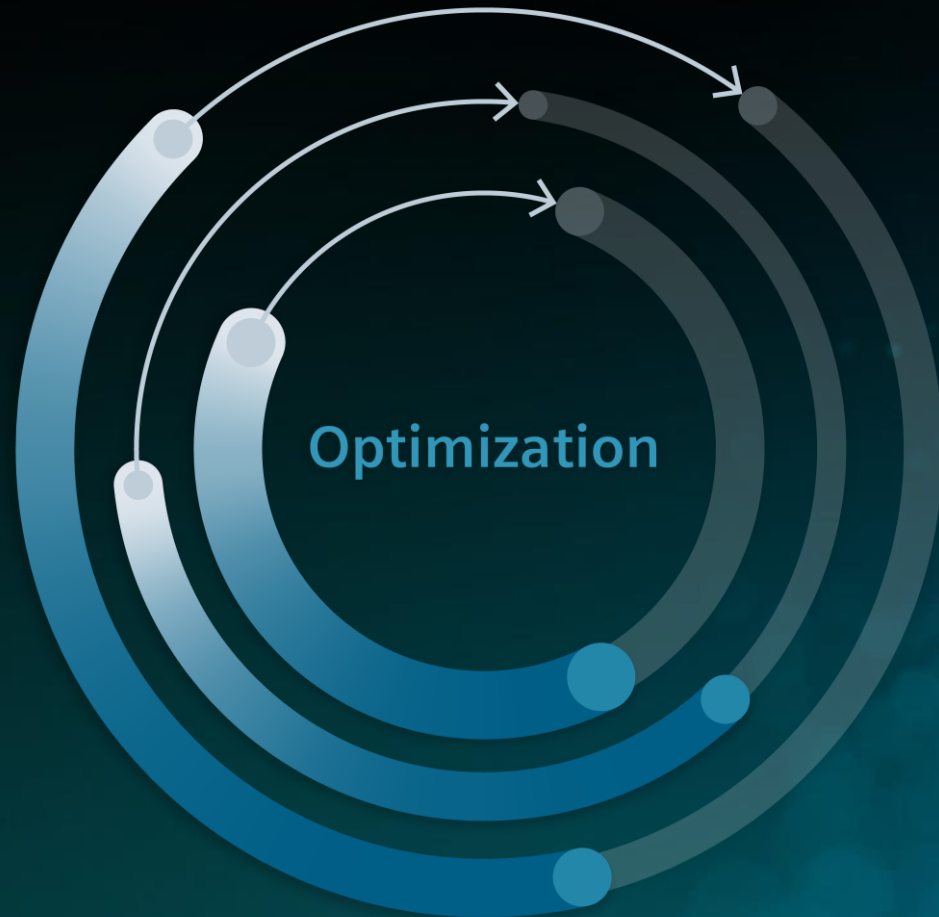
Optimization

- Siemens and Nestlé have now entered into the continuous improvement phase (analytics and process improvement)

- The parties have committed to a performance-based service contract in order to reduce cost-of-production and improve quality, process and security

Optimization