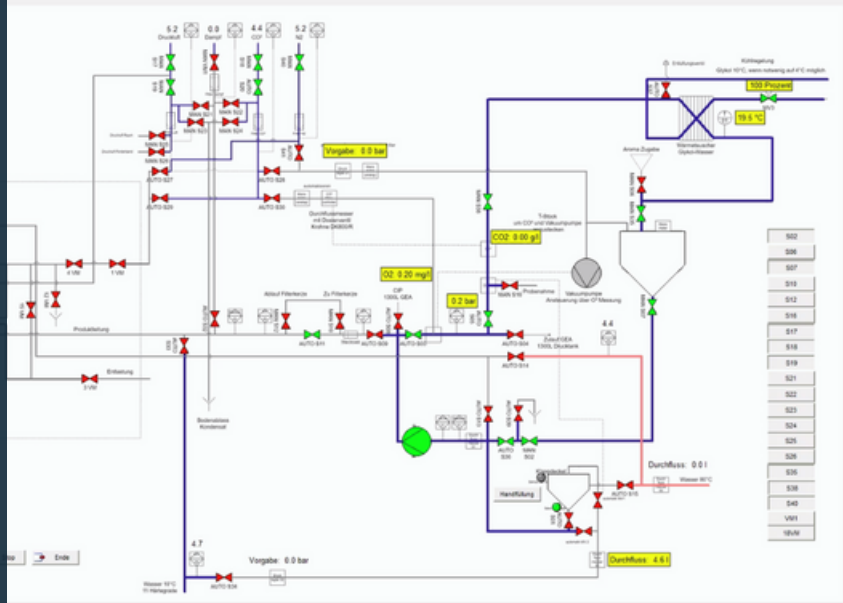
Selmo

Selmo as the standard in automation.

Learn how an Austrian beverage manufacturer integrates and implements the Selmo Standard.



The Project

The project involves the automation of a juice blending and filling plant, which is intended to function on a small scale like the large-scale series production plant, to optimize process engineering sequences or to develop new recipes. The modeling of the process was completed in two weeks with the support of the Selmo team.

Services

Selmo Standard
Selmo Services

Selmo Benefits

01 Automating a manuel process.

02 Transparency of the process through the Selmo Standard.

03 Process reliability: All data is available at the right time.

Contact us:
einfach@selmo.at

www.selmotech.com
Gewerbeparkstraße 1/1, 8143 Dobl-Zwaring

Selmo

"With the help of the Selmo Studio, machine control systems become easily understandable for non-PLC programmers and can be created by the user. "
Christian R., Team Lead Manufacturing Process Development

Brief description of the project

- Preparation of the requirement specifications with the process in focus
- Specification of the mechanical and electrical assemblies
- Modeling of the process in the Selmo Studio
- Development of a virtual model for visualization
- Testing and commissioning of the virtual model
- Building the actual plant according to the specifications of the tested process model.

The facts

- 189 PLC in- and outputs
- 5 Sequences with 177 Steps
- 255 Zones
- 10 Constantly Monitored Zones
- 50 Parameters
- more than 10000 Lines of Codes

Automation is performed to monitor and document the production parameters. Before the actual machine is rebuilt, the process flow is tested using a digital twin and checked for correct operation. The defined process enables the beverage producer to mix and homogenize different juices and liquids. Furthermore, creating different flavors or blends of ingredients with the same equipment is possible. The juice blending equipment can also be used to change or improve liquids' consistency or adjust liquids to specific temperature and pressure conditions.

Contact us:
einfach@selmo.at

www.selmotech.com
Gewerbeparkstraße 1/1, 8143 Dobl-Zwaring