



Flagship project with resounding success: Bellarine Foods, a milk powder plant of the future

Bellarine Foods in Victoria, Australia, has broken new ground with a completely new plant for whey powder production. The entire project was planned, designed, and installed with the digital communication system IO-Link. From the construction phase to production operation, it is evident that Bellarine Foods has become a pioneer for a technology that represents the standard of the future for food and beverage companies. The benefits of this project are so obvious that one thing is clear to project partner Lindon Griffiths of GP Systems: „The future of hygienic process technology is digital.“

The application

Since the end of 2015, the new plant offers for the upper production steps of whey, deriving from the production of a green cheese factory, into whey powder. In partnership, 95% Tank IO-Link Systems supplied the various required units, each designed as individual profile-based modules, which only had to be connected to the plant. Following units were installed:

- Identification membrane system
- Identification read-out system
- IOP System
- Tank tray storage system
- Evaporator
- Spray dryer

It was a prerequisite that all components communicate via IO-Link. Thanks to the extensive range of sensors with IO-Link, Anderson Högels was able to significantly contribute to the success of this trend-setting project.

Advantages in the application



- Savings in cabling costs of around 50 %
- Savings in planning, set up and commissioning time of around 50 %
- Significantly easier programming of sensors, valves, and other devices
- Ability to read sensor status and change settings via the Internet
- Replacement of sensors made easy by plug-and-play with automatic transfer of programming