

## CASE STUDY: Food Ingredients Production Plan Upgrade

### CHALLENGE

Our customer operate a starch and sugar processing facility in Manchester, UK.

There was a project requirement to upgrade/modify one of their food ingredients production plants.

Bilfinger UK were awarded the contract for the engineering, procurement and construction management of the project.

### SOLUTION

- We executed multidisciplinary engineering including mechanical, process, piping and EC&I.
- We completed front end and detailed engineering, which complied with plant permissions.
- We provided procurement support, as well as construction and safety management.
- We achieved award winning safety management with 100,000 hour of work completed without LTI resulting.



**BENEFITS** | Construction Management | Multi-office Project | Award Winning Safety Management |

## CASE STUDY: Production Improvements

### CHALLENGE

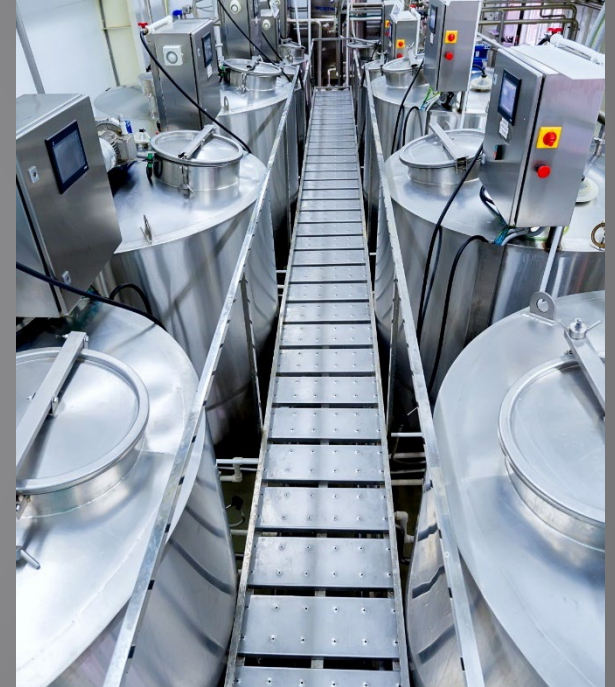
Our customer were one of the largest producers of dairy products in the UK, producing 2.2 billion litres of milk every year.

As part of their ongoing expansions a new pre-pack facility was needed to improve quality, reduce costs and provide environmental sustainability.

Bilfinger UK were awarded a contract to develop and install a factory wide SCADA, historian and MIS system for the customer's new facility.

### SOLUTION

- We designed the system using a Wonderware System Platform with additional equipment performance and operations modules.
- We provided effective reporting using a Wonderware Historian and MES to deliver greater transparency of the facility's data and the tools to enable the customer complete their operations more efficiently.



**BENEFITS** | Integration of 30 Different Control Systems | Increased Data Availability & Asset Monitoring |  
| Production Transparency | Improved Production Performance | Waste, Cost & Energy Use Reduction |

# Technical Information Summary



## TECHNOLOGY USED

- SCADA/HMI – Wonderware System Platform.
- Historian/MES – Wonderware Historian and Wonderware MIS.
- Communications – Ethernet.
- Others – Equipment performance and equipment operations modules.
- Management – Full project life cycle using our ISO 9001 TickITplus accredited quality management system.