



The Challenge

GBfoods operates **19 factories across Europe and Africa**, where equipment, sensors, and databases generate data through a heterogeneous mix of protocols.

Without visibility into energy consumption at process level, the company could not identify **efficiency improvements**, while its traditional SCADA approach could not collect this data consistently across two continents.

SUCCESS STORY

Energy Efficiency with Edge Data Storage

With the support of Barbara and AVEVA, GBfoods deployed a hybrid edge architecture across **all 19 factories** as an alternative to SCADA. AVEVA Edge Data Store **captures and stores process data locally at each site**, collecting it from sensors and PLCs through OPC UA and Modbus.

Only relevant information travels to CONNECT data services, while Barbara's Platform remotely provisions the nodes and deploys, configures, and updates the data applications at every plant within an IEC 62443-4-2-compliant architecture.

Key Results



19 Factories, One Data Infrastructure. Every plant in Europe and Africa captures process data through the same architecture.



Fewer On-Site Interventions. Remote deployment and updates eliminate travel to each site for every change, reducing costs.



Secure OT/IT Convergence. A single IEC 62443-4-2-compliant path connects plant systems and corporate platforms.