



Twinings of London

Manufacturing Online Information System



Company Overview

- Twinings, a company dating back to 1706, is one of the first companies that introduced a habit of drinking tea among Englishmen.
- Twinings is a global brand operating in 115 countries world-wide.
- Twinings is one of the oldest premium brand in the world and is currently owned by Associate British Foods.
- 30-50 tones of tea is produced every day in Twinings.
- English Breakfast and Earl Grey are among the brands in the company's portfolio.
- Twinings has three factories in the world, located in the United Kingdom, China and Poland.
- Twinings factory in Poland was opened in January 2011.
- Currently, about 300 various teas are produced in factory in Poland (Swarzędz city).

Industry Challenges

Nowadays, production companies in sectors such as Food & Beverage, Chemical, and Apparel are facing similar challenges.

- Improvement of OEE (Overall Equipment Effectiveness)
- SCADA systems integrating IT and business applications into one aggregated real-time monitoring system
- Better waste management during production
- Flexible management of machines to meet production demand requirements in less time



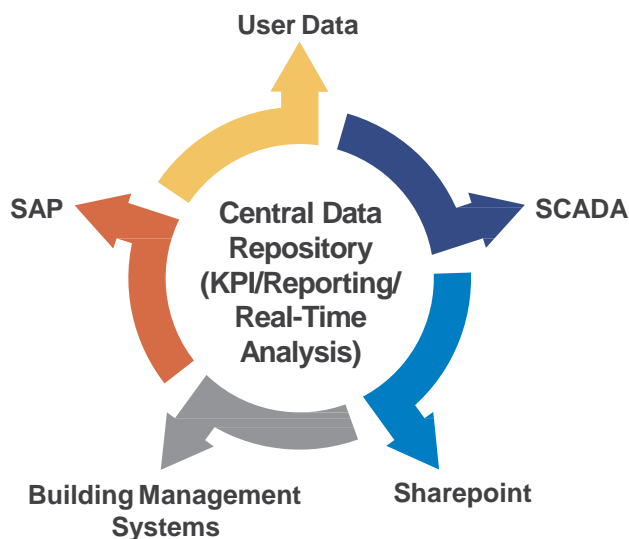
The leading company in its sector, Twinings focuses on operational effectiveness and achievements.

- One focus is on optimizing the working condition of machines. Various IT and OT systems are integrated into one central monitoring platform, providing insight for plant personnel and management.
- Another focus is integrating production process (machines) with systems such as SAP, to better understand the correlation between orders and machine data.



ConnectPoint & OSIsoft for Twinings

- Twinings has selected OSIsoft PI System, the leading technology for Operational Intelligence in Industry, Utilities, and Manufacturing.
- ConnectPoint is a software vendor and system integrator, specializing in the Power, Industry, and Utilities sectors, where it combines its expertise in IT and OT integration, focusing on real-time big data analytics.
- OSIsoft PI System has been offered as the Central Data Repository (CDP) for both relational data of hierarchical nature and process data.
- Data from dispersed sources, such as machines, Sharepoint, external Excel files, SAP, and Building Management Systems are integrated into one Central Data Repository. This enables advanced, real-time analytics and KPI calculations in various contexts (shifts or orders).



Benefits Achieved

Following a short implementation period (4 months from analysis to the system launch), as part of a pilot project, Twinings received the system and will provide a real-time overview of the whole manufacturing process.

- Quickly calculate OEE in various contexts
- Conduct Short Interval Control on main filling technology for Production Teams related to OEE and Waste Management
- Provide just-in-time reporting for staff meetings
- Have detailed insight into the correlation between production and business parts

Why ConnectPoint

- ConnectPoint is an experienced partner in software development and systems integration for the Power, Industry, and Utility sectors.
- ConnectPoint was referenced from the leading multinationals. It has a flexible team committed to meeting customer requirements.

Why OSIsoft

- OSIsoft PI System is the global standard in real-time data technology.
- Turning data to information, the PI System builds a data infrastructure and connects people to information across the value chain.

To find out more about how ConnectPoint and/or OSIsoft can help transform your service into intelligent capability, contact biuro@connectpoint.pl or eleichum@osisoft.com.