

Operational Excellence in the Brewing Industry

Problem:

Improving brewing productivity, quality & compliance

- The Orbis customer profiled in this use case is a world-class brewing company based in the European Union.
- The client was looking to dramatically improve brewery productivity, quality, customer service and operational control/flexibility.
- The brewing company approached Orbis for advice on how to achieve their business goals.
- Orbis delivered a solution that allowed the brewing company to make a step-change improvement in its end-to-end business process extending from the brew house to tanker shipment.

Approach:

Consultative review of the brewer's operations

- Orbis applied their extensive brewery industry experience to conduct a comprehensive review of the client's operations. The study recommendations were as follows:
 - Integrate and synchronize the brewing company's business systems and process control systems in order to deliver improved productivity, quality and compliance.
 - Replace the outdated control systems with an integrated Manufacturing Execution System (MES) that extends from the brew house to the tanker station.
- The project scope included data manipulation and analysis; batch tracking and product traceability; finished stock and work-in-process inventory control; plant performance reporting; and maintenance management reporting.

partner spotlight



Based in Dublin Ireland, Orbis is a leading systems integrator providing enterprise-enabled manufacturing solutions to process industries worldwide. Orbis has been a partner with AspenTech for over 10 years.

Recommendations:

Real-time views and KPI reporting using Aspen IP.21

- Orbis delivered the MES solution on the Aspen InfoPlus.21 platform including Aspen Batch.21. The system was uniquely capable of providing operational personnel at the brewery with the following functionality:
 - Visualization and analysis of operations from a business perspective and translation of business decisions into specific actions.
 - A real-time view of current operating conditions on the process and plant with KPI reporting for utilities and environmental data.

Results :

Increased site capacity, cost avoidance, productivity, asset utilization

- The Orbis MES solution:
 - Has been an enabler in increasing site capacity by 20%.
 - Has resulted in major savings through cost avoidance. The information management and analysis capabilities of the system allow for continuous improvement.
 - Has been an enabler to increasing site productivity and reducing headcount.
 - Has helped drive asset utilization and plant efficiency. Performance information is now readily available on-line in real time; visibility of operations enables timely intervention; analysis tools identify optimal operating conditions.

solution spotlight



The Orbis MES solution leverages the Aspen IP.21 platform to provide plant management with real-time views of current operating conditions and KPI reporting for utilities and environmental data.

About AspenTech

AspenTech is a recognized expert and leading provider of award-winning process optimization software and services. AspenTech's integrated aspenONE™ solutions enable manufacturers to reduce costs, increase capacity and optimize operational performance end-to-end throughout the engineering, plant operations and supply chain management processes, resulting in millions of dollars in cost savings.