

Case Study

SAP-powered Shopfloor to Top floor Integration Transforming Production Processes for a Leading Manufacturer

About the Client

The client is a leading manufacturer in the bottle-filling and packaging industry.

Engagement Snapshot

Headquarters: USA

Industry: Manufacturing

Technology Stack: SAP Manufacturing Integration and Intelligence, SAP OEE, SAP Fiori UI5, and SAP Plant Maintenance

Business Need/Challenges

Challenges abounded as the client grappled with maintaining round-the-clock production across multiple lines. The lack of visibility into shop floor operations left them in the dark, plagued by frequent machine downtimes with elusive root causes. Real-time data was a distant dream, hindering timely decision-making.

The customer realized the need to address the below challenges as part of our engagement: Absence of real-time KPIs

Unplanned machine downtimes and maintenance delays

Lack of shop floor operations visibility

Concealed production losses



Solution Highlights

The client turned to YASH Technologies, which combines SAP solutions and in-depth industry expertise with its ability to architect solutions that align with the unique SAP environments of their customers. YASH guided the client on its transformative journey with the SAP MII-OEE solution. The goal: Bridge the gap between shop floor and top floor systems, enabling real-time decision-making through IT-OT convergence.

Key components of the solution implemented included:

Integration of SAP ECC with SAP MII(OEE) and SAP MII to SAP PCo for seamless IT-OT convergence.

Automation of crucial shop floor activities:

- *Real-time production data capture*
- *Automated production confirmations upon order completion*
- *Downtime reporting with detailed reason codes.*

Integration with SAP QM and SAP PM for streamlined quality and maintenance notifications.

Development of comprehensive batch traceability reports.

Creating dynamic LIVE dashboards, offering real-time insights into machine status on the manufacturing shop floor.



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Business Benefits:
 The impact of the solution reverberates across the entire enterprise, delivering tangible benefits:

3

Enhanced shop floor visibility:
 Unprecedented visibility into shop floor operations.

4

Batch traceability:
 Tracking, managing, and analyzing batch data reduces risk and elevates customer satisfaction.

5

Improved plant productivity:
 Proactive monitoring of machine health optimizes plant productivity.

Enhanced quality:
 Tracking and reducing scrap generation reduce production costs while maintaining quality standards.

Environmental sustainability:
 By digitizing processes and eliminating paperwork, our solution reduces the carbon footprint, advancing sustainability efforts.

For more information contact YASH today at info@yash.com or visit www.yash.com

About YASH Technologies

YASH Technologies focuses on customer success. As a leading technology services and outsourcing partner for large and fast growing global customers, the company leverages technology and flexible business models to drive innovation and value throughout its customer's enterprise. YASH customer-centric engagement and delivery framework integrates specialized domain and consulting capabilities with proprietary methodologies and solution offerings to provision application, infrastructure and end-user focused Right-Sourcing services. YASH is a SEI CMMI (Level 5) and an ISO 9001:2015 certified company with U.S. and India headquarters and regional sales and development offices globally with customers spread across 6 continents.

Global Presence

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