Infor MES helps Klöckner Pentaplast claim 90% recyclability

Klöckner Pentaplast—a plastics manufacturing company with two divisions, which are food packaging and pharmaceutical packaging and durables—operates 30 plants worldwide, focusing on sustainability by producing recyclable materials.

Challenge

The company was facing decentralized and inconsistent manufacturing processes. Some of its plants relied on paper records or customized local manufacturing execution systems (MES), leading to difficulties in standardizing practices, benchmarking, and real-time defect detection.
This lack of real-time visibility often resulted in late detection of defects, impacting customer satisfaction and internal costs.

Solution

Klöckner Pentaplast selected Infor™ MES for its modularity, allowing a phased implementation across plants. This MES solution offers real-time automatic data collection and defect detection, reducing manual data entry and improving process efficiency.
The system's user-friendly interface minimized operator involvement with PCs, allowing them to focus more on the machinery.

Capabilities

The Infor MES includes modules for quality control, inventory management, maintenance, and tooling.
These modules enable real-time monitoring of production counts, waste, consumption, traceability, and proactive maintenance through sensor data. The system supports a standardized approach across all plants, facilitating benchmarking and continuous improvement.

Benefits and metrics

- ✓ Significant increase in on-time in-full (OTIF) rate
- ✓ Significant decrease in customer complaint rate due to real-time defect detection and quality control
- ✓ Significant cost savings in tool repairs through proactive maintenance, decreasing tool failures and repair costs
- ✓ Faster customer reply in the case of reported complaints, thanks to full traceability (backward and forward)

Impact on the greater world

Klöckner Pentaplast is committed to sustainability with 90% of its products being recyclable. Its goal is to reach 100% recyclability, reflecting its dedication to environmental care and future generations.
The focus on "closing the loop" ensures all materials are reused, minimizing environmental impact.
This commitment aligns with its mission of sustainability in everyday needs.

About Infor

Infor is a global leader in business cloud software products for companies in industry-specific markets. Infor builds complete industry suites in the cloud and efficiently deploys technology that puts the user experience first, leverages data science, and integrates easily into existing systems. Over 67,000 organizations worldwide rely on Infor to help overcome market disruptions and achieve business-wide digital transformation.

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