



Global Plastics & Packaging Company

As a global plastics and packaging company, Hexagon's industry-leading customer provides business-to-business packaging solutions for wide-ranging industries such as food and beverage, pharmaceuticals, household and specialty chemicals, and dairy. The vertically integrated, post-consumer recycled resin business is a large-scale, distributed manufacturing operation with 3,300 employees across 65 facilities in the U.S. and Canada and approximately \$2B annual revenue.

The challenge

Prior to engaging with Hexagon, the customer's inefficient business processes had begun to impact productivity. Work orders and downtime tagging were paper-based and slow, requiring duplication of data entry and lagging notifications. In addition, data collection was manual and prone to human error, and management had limited insight into worker performance and overall equipment effectiveness (OEE). An integrated, digital transformation across the company was needed to remain competitive in the Industry 4.0 smart manufacturing environment.

Key issues:



Downtime tagging was cumbersome and paper-based, codes were incorrectly selected, and dual-data entry was inaccurate and inefficient.



OEE was overly generalized at the end of each shift, with first-pass yield effectively hidden at each phase of production.



Losses were not adequately or accurately measured, so leadership was blind to the true performance of each plant.



Line walks and preventive maintenance relied on insufficient, manual data collection, and information was not used to inform maintenance scheduling, completion to invoicing



Work-order management was inadequate and inefficient due to paper-based workflows and error-prone, post-shift data entry.



Significant delays in alerting maintenance about issues led to slow assignment of technicians, insufficient wrench time, and poor mean time to repair.



Lack of digital automation throughout the company threatened to hinder the company's future success.



Hexagon is the strategic partner with the right technology, experience, and capabilities to support a large organization. In the end it wasn't close."

- Title, Global Plastics and Packaging Company

The solution

After evaluating 10 leading suppliers, the company narrowed their selection down to three respected technology providers. Company leaders ultimately chose Hexagon for its unique combination of easy-to-use mobile technology and potential to increase throughput while reducing costs.

With Hexagon Xalt, the company can customize mobile solutions to automate data collection where possible, leverage analytics and reporting, launch immediate corrective actions to improve plant performance, and measure improvements using true OEE scores. Through greater efficiency and increased revenue, management projects it will recapture its investment within two years.



Xalt Solutions' impact:

- **Improve production lines with OEE scores below 75 to meet the company average of 75 for an expected \$1M per plant in annual savings.**
- **Improve supervisor productivity by 40% through better insight into worker performance.**
- **Boost machine operator productivity by 25% by reducing the time spent on downtime tagging paperwork from an average of two hours per shift to less than 10 minutes.**
- **Increase maintenance technician wrench time by 50% due to immediate notifications of work orders, faster workflows, and better contextual machine health data.**
- **Reduce mean time to repair by 50% due to automation and mobility of maintenance workflows and processes.**
- **Decrease scrap by 25% since losses are understood and corrected in real time, failing components are identified earlier, and replacements are performed with quantifiable data.**

To learn more about Xalt Solutions and how we can resolve your most challenging workflow processes, visit us at <http://www.hexagonxalt.com>.