



## Bridge the skilled labor gap with Industry 4.0

The fourth industrial revolution known as Industry 4.0 is underway! Marked by automation and smart technology, this pioneering landscape requires a robust manufacturing workforce the nation currently lacks. This skills deficit could result in 2.1 million unfilled jobs by 2030, costing the U.S. economy \$1 trillion in 2030 alone! The good news is that as we exit the pandemic, consumer demand is going up. Hexagon's Xalt is prepared to mitigate the labor shortage with simple, tactical process automation.

Plastics manufacturers in particular will be affected by the labor gap and must adopt new technology to shift from operating in a reactive state – fighting fires – to a proactive state – preventing fires. By focusing limited resources, optimizing their performance and automating repetitive processes, Hexagon's AI-driven approach helps plastics manufacturers improve overall equipment effectiveness (OEE) fast.

### Key features and benefits



**Reduce scrap and improve quality automatically**



**Real-time process monitoring for smoother operations and less unplanned downtime**



**Ability to collect, enrich, process and visualize data to determine root cause and identify bad actors**



**Closed-loop process optimization to predict, prescribe and recommend corrective action automatically**



**Continuous machine and process learning so the system quickly adds value as it works**



**Enhance product quality by leveraging predictive, prescriptive, and corrective actions powered by artificial intelligence**

## One solution. AI-driven.

Hexagon Xalt is at the forefront of Industry 4.0 with proactive solutions that identify root causes of issues and prescribe real-time, corrective actions using predictive, prescriptive and autonomous optimization. We transform data into actionable insights – so you can maintain throughput, minimize risks posed by inexperienced workers and maximize your bottom line.

## We empower the workforce.

Although automated processes continue to advance, technology cannot replace a skilled workforce. Fortunately, there are growing opportunities for workers to gain the skills needed in today's smart factories. Hexagon is the industry's partner in changing the negative perception many people have of factory jobs. The reality is that today's jobs are high-tech and cutting edge, open to a diverse and inclusive workforce. Our smart manufacturing technologies deliver best-in-class quality, reduce waste, optimize sustainability and maximize bottom lines. We empower workers with artificial intelligence, IoT technologies and other innovations that make for a satisfying, well-paying career.

## Accelerate your digital transformation

Hexagon is a global leader in digital solutions that improve productivity and quality for manufacturing, infrastructure, safety and mobility applications. We create Smart Digital Realities that empower the future of autonomy across production and urban ecosystems.

Hexagon's Xalt Solutions accelerates your digital transformation by solving your workplace challenges with the industry's most agile framework, supported by innovative, tailored solutions.

To learn more about how we help manufacturers leverage data to make improvements to processes and products, visit [www.hexagonxalt.com](http://www.hexagonxalt.com).

# Continuous improvement

## AI-driven automation



Improve OEE



Raise Quality



Determine root causes



Correct defects early



Reduce downtime



Save costs

## Our customer's results of scrap reduction before and after autonomous optimization

