

Versatech Boosts OEE by 30% With Smart Factory

Case Study

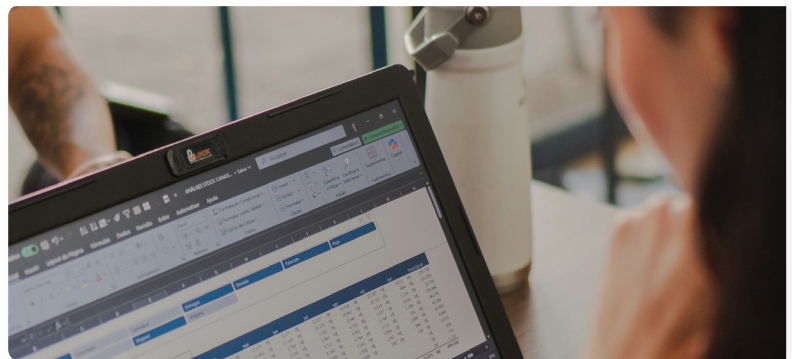


Summary

By replacing paper tracking and manual spreadsheets with Nulogy Smart Factory, Versatech increased its OEE by 30% and achieved ROI within three months due to efficiencies gained from having real-time data visibility on the plant floor.

Company Overview

Based in Illinois, Versatech provides manufacturing and engineering services in the areas of robotics, automation, workholding with hydraulic integration, contract manufacturing, job shop prototyping and low volume runs, and lean manufacturing consulting.



“There’s no reason why anyone couldn’t implement Smart Factory and start getting good results in 3 months. Smart Factory is so much easier to use... it is almost dummy-proof.”

-Chad Hill, CEO

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Challenges



Versatech was looking for a production monitoring system that could replace their paper-based tracking and spreadsheets, which were time-consuming to update and maintain. The company needed real-time production data so teams could make efficiency improvements on the plant floor, as well as automate reporting processes and improve overall data accuracy.



“We wanted to get off our paper system. We hoped that Smart Factory could help us collect data into a central database to improve the way we worked and that’s exactly what Smart Factory did.”

-Chad Hill
CEO

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Results

After switching to Smart Factory, Versatech saw their OEE jump by 30% and enabled the business to achieve ROI in less than three months.

More specifically, Versatech observed benefits in the following areas:



Better plant floor visibility

CEO Chad Hill believed that by providing real-time data to its quality, engineering, and maintenance, production teams, Versatech could enhance the efficiency of their operations. Specifically, they could improve the ability to reduce overtime, decrease downtime, and improve machine utilization.

“We wanted to get the data into one location and have a single tracking system that looked at data in real-time,” Hill explains.

Smart Factory delivered tangible results for the Versatech team: “The biggest benefit of [Smart Factory] was the ability to easily dig out whatever data I needed. This helped us focus on specific problems, and helped our entire business work more efficiently,” says Matt Perry, Production Manager.

All the leaders at Versatech that leveraged Smart Factory found that the value gained from the software’s ease of use and data capabilities covered its costs almost instantly, leading to widespread improvements across the entire organization—including a reduction in overtime costs incurred by multiple departments.



Reduced Downtime

Versatech used Smart Factory to analyze their unscheduled downtime instances by correlating them with specific events. This level of detail enabled Versatech to quickly solve issues and address negative trends on the plant floor. Further, the level of automated data reporting provided by Smart Factory drastically improved team efficiency.

“Being able to automatically collect and review all of the downtime and tie it to specific trends, events, and issues allowed Versatech to reduce unnecessary data entry, overtime, and repetitive issues with machines,” says Scott Strutner, Manufacturing Engineer at Versatech.

“Being able to see downtime in real-time and historically, automatically without manual data entry, was a huge gain for us,” he adds.



Reduced costs from labor and scrap

By replacing paper-based tracking and spreadsheets, Smart Factory allowed Versatech to reduce costs through greater operational efficiency.

“Smart Factory made it much easier for us to see where we needed to focus on repetitive issues and drive improvement activity,” says Matt Perry. “It’s much better when you’re not relying on paper. It took less than a minute to change scrap codes, and on older systems, it can be a two-hour ordeal.”

The real-time data visibility provided by Smart Factory, in addition to the time saved by using a more efficient production tracking workflow, also allowed the organization to recognize negative trends in scrap rates in real-time. This data helped prevent several major “cost-killers”, resulting in significant savings for the business.

To learn more about how Nulogy’s cloud-based platform can deliver value to your manufacturing operation, contact us: