

Just What the Doctor Ordered

A TrakSYS™-Powered Success Story of
Operational Efficiency at AstraZeneca

Solutions Delivered by Parsec Partner



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About AstraZeneca

We push the boundaries of science to deliver life-changing medicines. Our purpose underpins everything we do. It gives us a reason to come to work every day. We follow the science. We put patients first. We play to win. We do the right thing. We are entrepreneurial. Our values determine how we work together and the behaviors that are integral to our drive for success. Our values guide our decision making, define our beliefs, and foster a strong AstraZeneca culture. To learn more, visit www.AstraZeneca.com.

Overview

AstraZeneca is one of the world's leading pharmaceutical companies with operations in over 100 countries. Headquartered in London, AstraZeneca has become a leading global pharmaceutical and biologics company with a portfolio of products for major disease areas including cancer, cardiovascular, gastrointestinal, infection, neuroscience, respiratory, and inflammation.

With sites spread across the globe, AstraZeneca had limited real-time performance visibility into their operations. Their Lean initiatives focus on improving flexibility and responsiveness to customer needs by improving quality to reduce variability and waste. The program also endeavors to create a more cost effective supply chain. To get the visibility they needed, and maximize the impact of their Lean initiative, AstraZeneca began working with Applied Control Engineering to design and implement a TrakSYS rollout.



Goals

- Enable their Lean initiatives (which focused on improving flexibility and responsiveness to customer needs, and improving quality)
- Reduce process variability and waste to promote a more cost-effective supply chain
- Gain real-time OEE metrics for their formulation and packaging areas
- Identify root causes for equipment downtime
- Promote operator involvement in the improvement process
- Improve their utility management, and gain accurate information on system performance, Ozone cycle times, and alarms



Challenges

- Lack of real-time performance data
- Disparate implementations
- No unifying system for operators to view data and communicate
- No method to monitor, compare, and contrast performance data and metrics between facilities around the world
- Unidentifiable causes of downtime and quality loss

Solution Overview

To help AstraZeneca achieve their desired results, Applied Control Engineering worked closely with various departments to create a comprehensive TrakSYS rollout. Utilizing TrakSYS’s unrivaled interoperability, Applied Control Engineering integrated TrakSYS with the existing SCADA and ERP systems. 25 operator-oriented screens were strategically placed throughout the factory to promote user fluency and engagement. Plant-wide user workstations were created so teams could view production and performance information related to tablet compression, coating machines, and packaging lines (inclusive of the blister, bottle, vial, and hand pack operations), and utilities.

“TrakSYS is used every day by the majority of our plant’s workforce to better understand productivity. TrakSYS is a business-critical application for our plant, as it would not be possible for us to sustain our continuous improvement goals and objectives without it.”

Paul Nicotra, Senior Management Controls and Automation – AstraZeneca

Key TrakSYS Features



Performance Management



Quality Management



E-Records



Batch Management



Traceability & Genealogy



Material Management

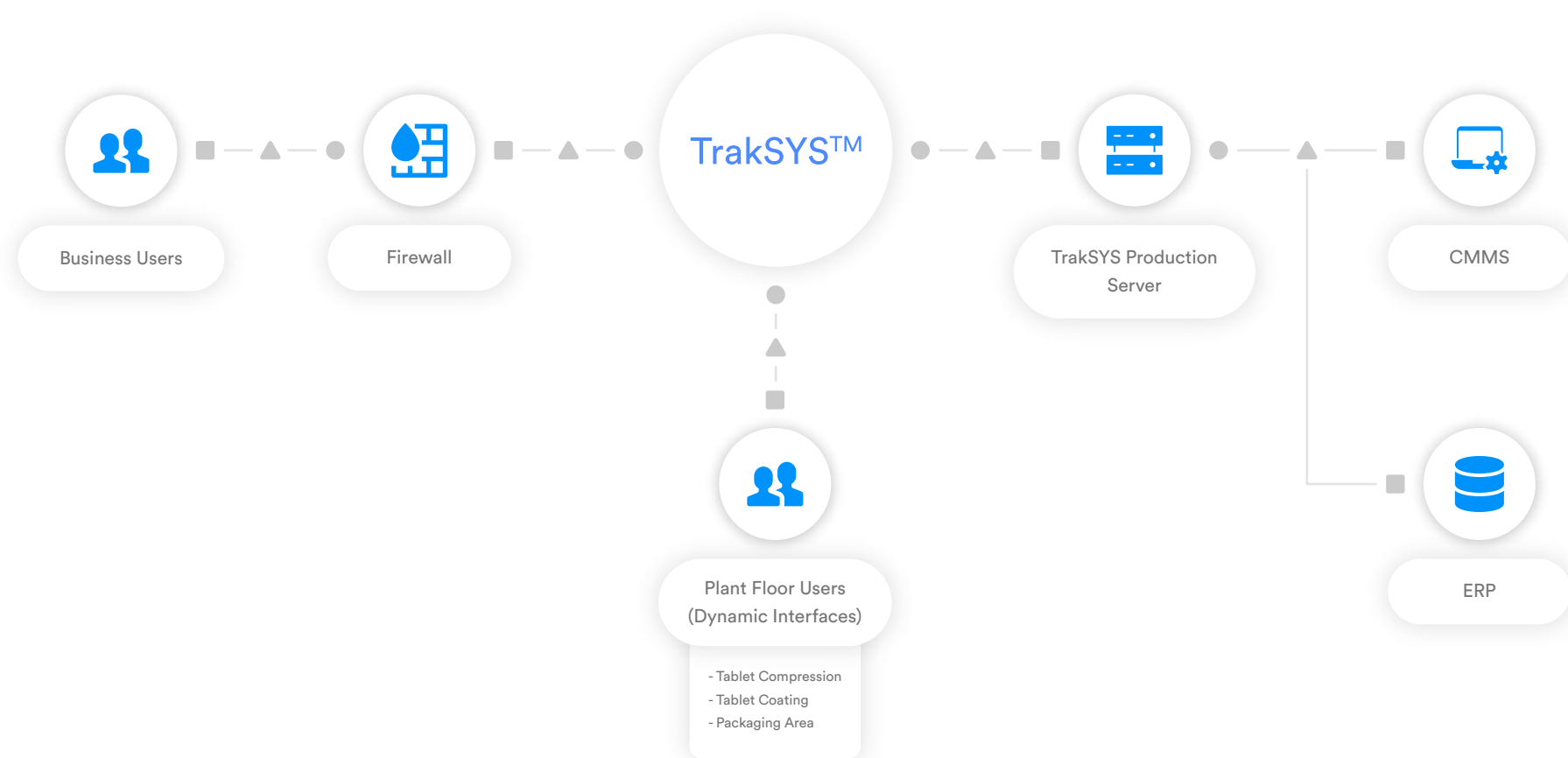


SPC



Regulatory Compliance

Solution Architecture



Results



Produce 1,000,000 additional bottles per year



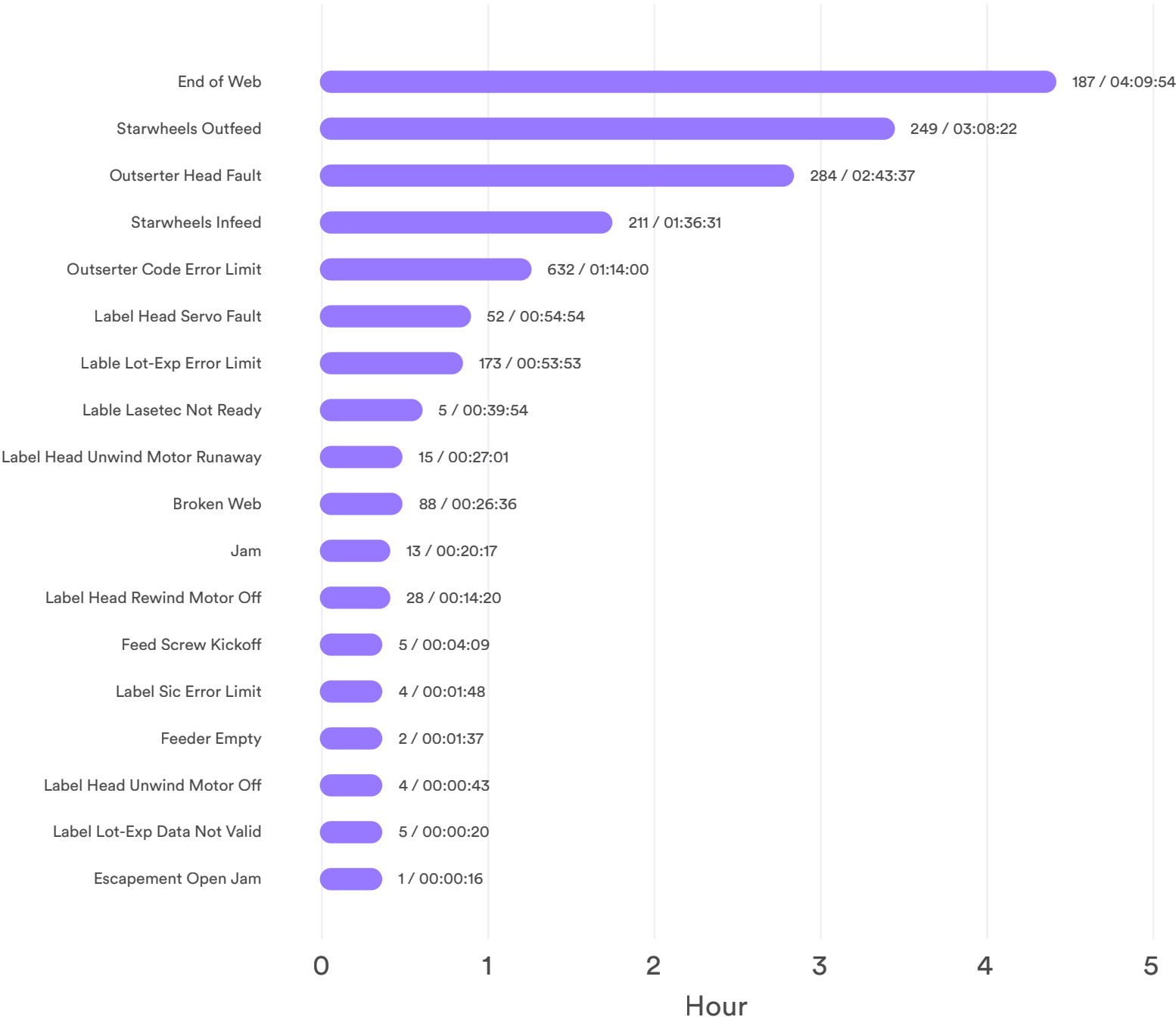
Improve multiple line OEE by 40%

- > Access real-time performance data
- > Optimize plant-wide reporting
- > Strengthen operator engagement
- > Improve bottle line OEE by 10%

Example Screen

Machine Event Summary

Group Sub System | Sub-Group Definition



About Applied Control Engineering

Since 1991, Applied Control Engineering, Inc. (ACE) has been helping customers in every aspect of automation, process control, and information technology systems integration. To learn more, visit www.ace-net.com.

About Parsec

Utilizing their 30 years of experience in manufacturing, Parsec created TrakSYS™: a best-in-class operations management software application and solution platform designed to significantly improve manufacturing operations. TrakSYS aggregates data from multiple sources to deliver real-time, actionable intelligence that helps manufacturers to reduce production costs, decrease lead time, and improve profitability. TrakSYS is deployed at thousands of factories, in over 100 different countries.



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