

Case Study Enhancing Reliability with Seqonis

↳SEQONIS↳
By eschbach

How ICL Group's Carondelet plant digitized and standardized communication to deliver end to end transparency, improved traceability and boosted shop floor performance.



Company Snapshot

ICL Group's Carondelet site in St. Louis, MO produces specialty food-grade phosphate ingredients—key functional additives used across the processed food, beverage, dairy, and baking industries. These phosphates serve as leavening agents, stabilizers, emulsifiers, texture enhancers, and preservatives, supporting product consistency, quality, and safety across a wide range of consumer foods. Manufactured through both continuous and batch processes feeding into automated 50-lb bagging lines, these ingredients are produced under strict GMP requirements. With multiple departments contributing to each batch, the plant needed a more reliable way to communicate, document issues, and maintain process stability.

The Seqonis Deployment

ICL began with a small pilot, and even operators initially hesitant about technology quickly found digital forms straight forward and easy to update. After early success, the plant rolled out Seqonis in two phases across all departments.

The team digitized deviation reports, equipment checks, operating logs, and bagging documentation. Plant Status 2.0 dashboards—updating every 30 seconds—gave supervisors real-time visibility into air usage, pH trends, tank levels, and building-level performance, helping them prioritize issues immediately.

The Challenge

Before Seqonis, the plant relied on paper logs and verbal updates. Operators often lacked space to document issues clearly, and handovers varied significantly between shifts. Important details were missed, some adjustments went unreported, and supervisors had limited visibility into batch readiness or bagging throughput. Engineering teams struggled to identify recurring equipment problems because patterns were buried in handwritten notes.

"Paper-based handovers were holding us back."
Inconsistent communication created variability, delays, and preventable downtime.

"Everything we need is in Seqonis."
Faster reactions, clearer decisions, and better visibility across shifts.

Results That Matter

Seqonis rapidly became the plant's central communication and reliability platform. Digital handovers brought consistency that reduced process variability and improved coordination between processing and bagging. Supervisors now see exactly when packing starts, how many bags are produced, and when stoppages occur, enabling faster decisions and fewer communication-related delays.

Traceability improved dramatically. Every form is completed correctly, time-stamped, and stored for GMP compliance. Events like metal detection are documented instantly, allowing quick root-cause identification. With five departments sharing information in one system, accountability and visibility increased across the plant. Engineering teams can now compare operator's comments and inputs to real time equipment data to identify bottlenecks, support capital planning, and track long-term equipment reliability—insights that were nearly impossible with paper logs.

"A good handover should be done like you're preparing your son or daughter to run the shift—giving them everything they need to work safely and confidently. Seqonis strengthens that commitment by ensuring critical safety information is clear, complete, and never overlooked, so every team starts their shift fully prepared."

— David Kaltwasser, Special Projects Manager, ICL Group

What's Next

ICL is expanding its digital ecosystem with Seqonis modules for OEE and Collaboration Tier Dashboards, building on the strong foundation created with Seqonis and its Plant Status 2.0.



Discover how Seqonis helps engineering and operations leaders improve consistency, throughput, and plant reliability—from processing to packaging. Visit eschbach.com.

About Seqonis and eschbach

Seqonis by eschbach is the orchestration and execution layer for modern manufacturing IT/OT environments. It connects existing MES, ERP, and enterprise systems, unifies operational data, and enables real-time execution across the factory.

eschbach is an award-winning software and services company dedicated to empowering the operations of the world's leading manufacturers. With more than 20 years of process industry expertise and over 100,000 daily users across 30 countries, eschbach helps industrial organizations improve operational excellence, workforce collaboration, and plant performance.