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CASE STUDY
Chemicals

Fulfilling Humanity's Essential Needs Through Digital Transformation

ICL, a leader in unique materials, rolls out
AI-Driven Machine Health Solution, digitizing
equipment insights on a global scale



ICL Company Profile



Employees

13,000



Revenue

\$5.3 Billion USD



Headquarters

Tel Aviv



Facilities

5 continents

Product Manufactured

Agriculture

- Fertilizers
- Ornamental Horticulture
- Turf & Landscape

Food

- Functional Ingredients

Engineered Materials

- Flame Retardants
- Soil & Space Fumigation
- Water Treatment Solutions
- Phosphates in Industrial Markets
- Products for Upstream Oil and Gas Industry

Type of Machine Monitored

- Blowers
- Compressors
- Conveyors
- Fans
- Pumps
- Rotating Ovens
- Turbines (Gas & Steam)



Augury's Machine Health laid the foundation for our digital transformation within our production sites. Their technology has changed the way ICL approaches reliability across our organization by improving the visibility of our machines' performance. With Augury, ICL looks to continue being an innovator in the market, delivering value to customers around the globe.

Eyal Yaffe

VP Operational Excellence & Innovation Potash Division



Production Loss and Downtime Avoidance
Saved in 10 months With Augury



Essential Health, More Important Than Ever

ICL's innovative agriculture products help feed millions of people in more than 180 countries. Today, people from all corners of the world benefit from healthier foods thanks to their fertilizer. Their food additives enable people to have greater access to higher-quality food. Their potash and phosphate products are essential components of the pharma industry. ICL's operations are global and supported by worldwide distribution and supply chains with production sites in Israel, Europe, North and South America, and China. The company's success depends on their ability to develop products that are efficient, highly safe, and bear a low ecological footprint. As ICL looked toward its next transformation, they needed a partner to help digitally transform their machine and reliability programs. Just as the products they produce, the machines that keep their production lines running are vital to ICL's ability to deliver essential products to people around the globe.

ICL needed a digital solution that could transform its most essential machines, plants, and businesses because, at the end of the day, machine health is not only about plant health — it's about business health. And to ICL, people are its business.

Digital Transformation Takes Root

ICL sought out a Machine Health solution that was just as resilient, agile, and innovative as its products. With Augury's end-to-end digital Machine Health, ICL found a solution that matched its own innovative standards. By getting actionable insights into the thousands of machines they run, they could benchmark facilities across continents and ensure corporate best practices are disseminated throughout its sites. By digitally transforming their Machine Health insights, they could elevate their M&R program while upleveling their processes and workforce.

So, how does Machine Health work? ICL machine operators are notified at the earliest sign of any of the 170 mechanical faults Augury's AI diagnoses. Corrective actions are then recommended, ensuring unexpected machine failures are mitigated. Onsite teams are then able to take corrective actions and collaborate with Augury's Reliability team in real-time to confirm issues. Once repairs are completed, technicians log repairs in the Augury platform so the health history of each machine is captured for future benchmarking. This ensures asset life is increased and allows for effective use of budget and resources while improving employee safety and OEE.

New technologies succeed when they are backed by a strong partner focused on customer success. Augury's Customer Success and Reliability Team utilized a descriptive playbook for deployment and training, ensuring user adoption and effective workflow integration to equip operators for success with the solution. The combination of Augury's AI, prescriptive elements, and focus on customer success made it certain that ICL could see results and reach time-to-value soon after deployment.

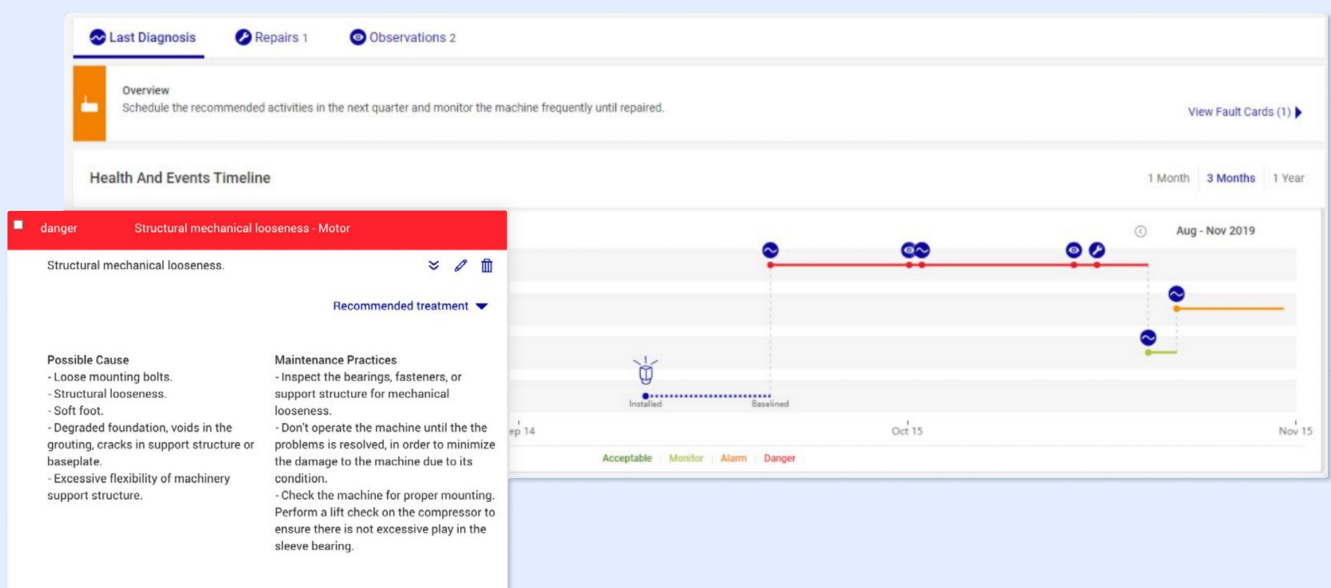


Scaled Innovation, Scaled Results

It was only a few months after deployment before ICL was capturing value and seeing the impact on their bottom line. In one instance, at one of their engineered materials sites, Augury's algorithms alerted the onsite team to a fault in one of their most critical production equipment pieces. The continuously monitored solution alerted technicians of the issue, giving them ample time to confirm the issue with Augury's Reliability team. They then scheduled the right repair, all without disrupting production. With early detection, ICL was able to **mitigate \$400k downtime costs and production loss.**

But the benefits didn't stop there. The team was able to document and transfer all the knowledge gained from the incident so other sites could ensure best practices, upleveling the entire reliability workforce. This was one of many wins realized within less than a year of the partnership.

ICL has mitigated **\$1M+ in avoided downtime costs, machine repairs, and production loss within the first 10 months of deployment.** As the partnership grows, so will the benefits to ICL's workforce, bottom line, and millions of people around the world who rely on their innovative products.





About Augury

Our mission is to provide manufacturers and other industrial sectors with insights into the health of machines, processes, and operations to transform how people work and what they can create. Together with our customers, we are building a world where the combined work of people and machines makes life better in every way.

To learn more about Augury's Machine Health Solutions, visit us at augury.com