

Monitoring and Alerting Solutions for Labs and Manufacturing: Act Fast, Stay Compliant, Conduct Science With Confidence



From Monitoring Data to Actionable Intelligence

What if your lab or manufacturing facility spoke to you — not just signaling a problem but guiding you to the correct solution? Built for science and proven for lab operations, with Elemental Machines, data monitoring and alerting solutions do much more than notify: *They transform raw signals into intelligence you can act on.*

Comprehensive Monitoring and Alerting

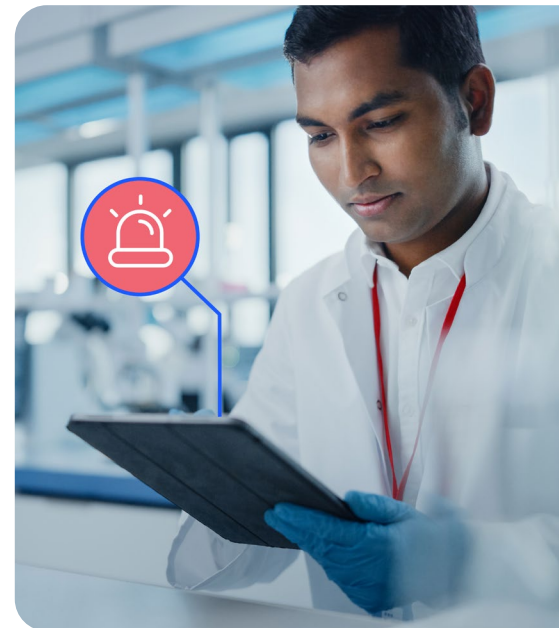
Elemental Machines provides a robust data monitoring and alerting platform that encompasses a wide range of critical parameters, including temperature, humidity, differential pressure, particle count, liquid nitrogen levels, and more. Get the right data, at the right time, in the right context to move from reactive alerts to proactive intelligence that powers immediate responses and proactive maintenance.

Unstoppable Vigilance

With Elemental Machines' comprehensive IoT monitoring and alerting solutions, you gain an experienced ally who safeguards your entire lab or manufacturing ecosystem 24/7. With battery and cellular backup that keep you moving forward even when the lights go out, each IoT sensor and physical asset becomes part of an interconnected network that ensures your operations run smoothly, efficiently, and without interruption. ***Our system never sleeps, so you can.***

Cold Storage Monitoring

Cold storage monitoring is a critical component of our connectivity platform, ensuring the integrity of your valuable samples and materials. We provide real-time monitoring and alerts for ultra-low temperature (-80° C) freezers, -20° C freezers, refrigerators, and other cold storage units. Our [AI-Powered Health Score](#) enhances this by offering insights into potential issues before they become critical, allowing for proactive maintenance and preventing costly downtime. Stay GMP- and GLP-ready throughout your compliance journey.



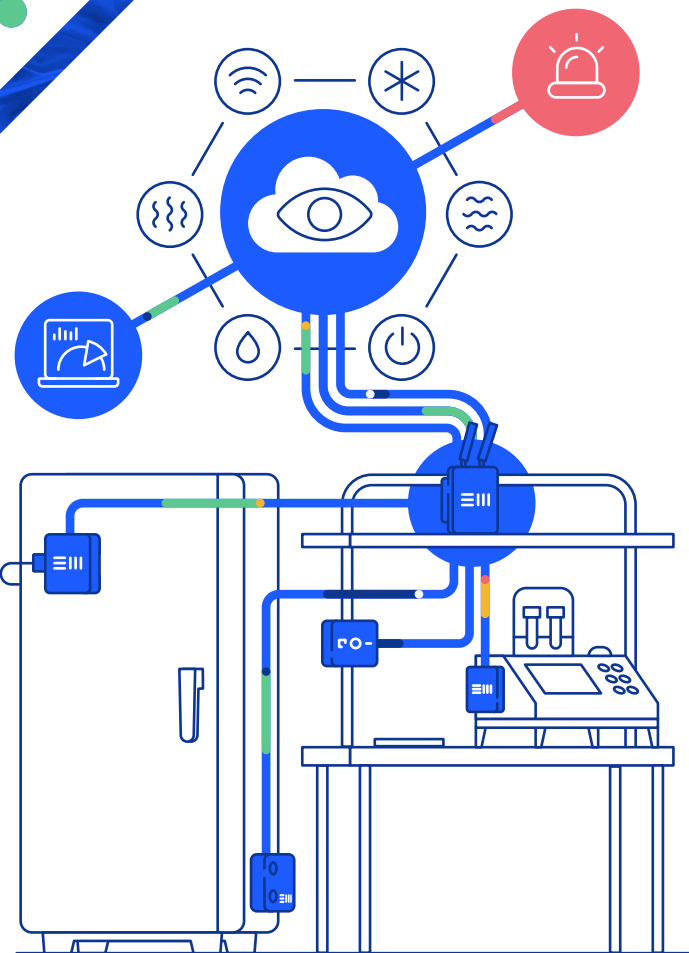


Step Into Smart Lab Management

Why wait for problems when you can preempt them with targeted action? Our alerts are context-driven and tailored to your specific laboratory or manufacturing setup, so the right people get the right alerts at the right time, every time.

Dealing with alert fatigue? We get it. That's why we work with you to customize **what** alerts you want to receive, **how** you want to receive them, and **when**. This is how we enable you to understand and address root causes instantly, without derailing your people via needless distractions:

- **Battery backup:** Power through outages
- **Backup cellular connection:** Stay connected, always
- **Secure cloud connection:** Your data, protected
- **No-tool installation:** Setup in seconds
- **Wireless sensor connectors:** Freedom from wires
- **GxP compliant:** Compliance made easy
- **Contextualized alerts:** Intelligence at work
- **Certified calibration:** Precision guaranteed



Who We Are

At Elemental Machines, we don't just connect physical and digital worlds; we go beyond threshold-based alerts to deliver intelligence that transforms your operations. Let's face it: Data without context are meaningless. But with data science and a focus on meaningful context baked in from day one, you become empowered to excel through data-driven decision-making and operational excellence.

Don't React — Predict, With Smart Alerts

"Smart alerts" are not simple notifications; they add real-time predictive analytics and key situational context to your toolbox. Ready to experience operational prescience with data monitoring and alerting solutions for labs and manufacturing facilities? Connect with an expert today for a deep dive into our technology or set up your custom demo.

[Connect With Us](#)

About Elemental Machines

Elemental Machines' Intelligent Operations Platform transforms raw lab and facility data into intelligence you can act on. Built by scientists and engineers who understand the demands of modern research and manufacturing environments, we connect the physical and digital worlds to simplify, optimize, and future-proof operations. From incubators to enterprise-level sites, our ecosystem combines wireless sensors, utilization tracking, custom dashboards, interactive floorplans, business intelligence tools, and seamless integrations with systems like LIMS, MES, QMS, CMMS, and ELNs, giving teams complete visibility, predictive insights, and audit-ready compliance tools. Leaders in science, facilities, and technology worldwide trust Elemental Machines to help them act faster, reduce operational risk, and shift from reactive to proactive management. With the industry's most expansive integration library and a robust partner ecosystem, we empower organizations to accelerate innovation, ensure scientific integrity, and get more value from every asset.