

# IoT Data Monitoring and Alerting Solutions for Labs and Manufacturing: Predict, Prevent, Perform



## From Monitoring Data to Informed Decisions

What if your lab or manufacturing facility spoke to you — not just signaling a problem but guiding you to the correct solution? Welcome to the future of operational management! With Elemental Machines, our IoT data monitoring and alerting solutions do much more than notify: *They predict your challenges and protect your progress.*

## Comprehensive Monitoring and Alerting

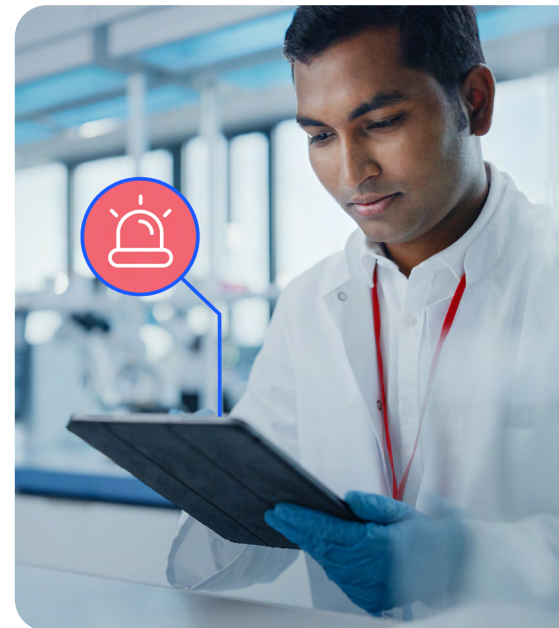
Elemental Machines provides a robust IoT-based data monitoring and alerting platform that encompasses a wide range of critical parameters, including temperature, humidity, differential pressure, particle count, liquid nitrogen levels, and more. This powers immediate responses and proactive maintenance to preemptively nullify obstacles.

## Unstoppable Vigilance

With Elemental Machines' comprehensive IoT monitoring and alerting solutions, you gain an experienced ally who casts a watchful eye over 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-Predicted Health Score](#) enhances this by offering insights into potential issues before they become critical, allowing for proactive maintenance and preventing costly downtime.



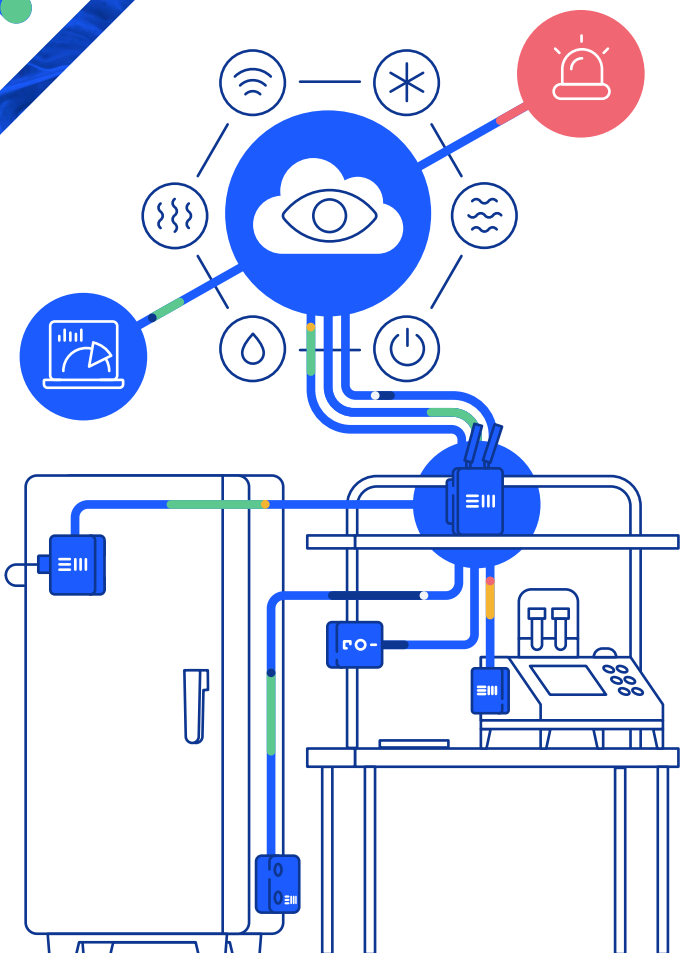


## Step Into Smart Lab Management

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 to offer advanced connectivity solutions; we elevate your operations to help you realize your potential. Let's face it: Data without context are meaningless. That is *not* the way. 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. That is the way, and that is who we are.

## 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 IoT-driven 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. Let us show you how every alert can elevate your efficiency and innovation.

[Connect With Us](#)

## About Elemental Machines

Elemental Machines' Intelligent Operations Platform leverages the best of Internet of Things (IoT) technology and custom hardware/software solutions, delivering actionable insights to operators in life sciences, biopharma labs, biobanks, analytical labs, and manufacturing facilities. By connecting the physical and digital worlds, the platform simplifies, optimizes, and augments operations. Leaders in science, facilities, and technology trust Elemental Machines' ecosystem for insights that accelerate innovation, predict outcomes, and shift from reactive to proactive management. With scalable solutions from incubator to enterprise, custom integrations to fit each operation's unique needs, and a wide ecosystem of partnerships, Elemental Machines ensures operational excellence and the future-proofing of lab and manufacturing processes.