

# The Future of Operational Connectivity: **Utilization Monitoring**

## Run Your Facility at Optimal Levels — At All Times

Elemental Machines' enhanced Utilization Monitoring is a [groundbreaking equipment solution](#). With custom alerts and both real-time and historical usage insights, you're empowered to make informed, condition-based decisions that optimize both capital and operational resources:

- **Service and preventative maintenance:** Cut costs and fine-tune service contracts based on real usage data and predictive insights
- **Capacity planning:** Leverage comprehensive usage data to minimize bottlenecks and maximize productivity
- **Decommissioning:** Identify and offload unused equipment to save on service plans, warranties, and valuable lab space
- **Workflow optimization:** Adjust equipment placement or optimize floor plans according to real usage patterns
- **Asset purchasing:** Make informed acquisition decisions with clear insights on tool use and downtime

## Elemental Machines' Cloud Dashboard & Data Interface

- **Anywhere, anytime access:** Our intuitive dashboard lets you visualize equipment usage on any device, offering insights on the go
- **Seamless integration:** With our API, securely share data with LIMS, ELN, QMS, or other software databases, enhancing connectivity across your operations

## Enhanced Features for Proactive Utilization Monitoring

New threshold alerts place a watchful eye over your equipment's health for informed navigation of unforeseen challenges:

- **Immediate notifications:** Be instantly aware of power outages, disruptions, or unauthorized equipment use
- **Faster corrective responses:** Address issues swiftly to minimize potential losses and downtime
- **Comprehensive equipment management:** From usage insights to maintenance alerts, gain full control over your ecosystem

Enjoy added protection against unforeseen disruptions like power outages and human errors with your Elemental Machines' Utilization Monitoring solution.

## Connection Features for Confidence & Convenience

- **Battery-operated:** Consistent operation without direct power connections
- **Easy installation:** No asset power-downs or restarts means you're set up in seconds with zero downtime
- **Cellular backup:** Continued data transmission even during network disruptions



"[Lab Scheduler] has a system where you can plot data points by marking utilization and then seeing exactly when they reserved it for how much time they reserved it. That is not accurate — that is just your reservation type. So, combining that with (EM's usage solution) where you can actually see and track the time from sash open and close. That helped our team get a clear picture of actual usage; [a team member] did reserve for this time, but [they] did not use it for the entire time."

Asiem Bhaskar – Scientific Operations Manager, Arbor Bio

## Simplifying Quality Assurance & Control (QA/QC)

Our Utilization Monitoring solution simplifies QA/QC management, ensuring your operations meet compliance standards. Beyond just equipment, we help you safeguard the integrity of your entire research and production process.

### Ready to know more?

Embrace the future of connected operations with comprehensive equipment utilization monitoring. Secure, smart, and now even more intuitive.

[Visit elementalmachines.com/contact-us](https://elementalmachines.com/contact-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.