


The Future of Operational Intelligence: **Utilization Monitoring**

Run Your Facility at Optimal Levels — At All Times

Elemental Machines' enhanced Utilization Monitoring is a [groundbreaking equipment solution](#). Built for science and proven for lab operations, with custom alerts and both real-time and historical usage data, you're empowered to make informed, condition-based decisions that optimize both capital and operational resources. Get the right data, at the right time, in the right context:

- **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 while staying GMP- and GLP-ready
- **Asset purchasing:** Make informed acquisition decisions with clear understanding of tool use and downtime



Elemental Machines' Cloud Dashboard & Data Interface

- **Anywhere, anytime access:** Our intuitive dashboard lets you visualize equipment usage on any device
- **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

Go beyond threshold-based alerts to access actionable intelligence about your equipment's health and performance patterns:

- **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 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. Move from reactive equipment management to proactive optimization.

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 (Elemental Machines' 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.

[Let's Talk](#)

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.