

LabCentral uses data from Elemental Machines for **PREDICTIVE MAINTENANCE.**



INDUSTRY

- Life Sciences
- Biotech



PRIMARY VALUE

- Peace of Mind
- Alerting/Monitoring



APPLICATION

- Lab Monitoring

SITUATION

LABCENTRAL NEEDED A RELIABLE SOLUTION THAT WOULD PROVIDE MONITORING AS WELL AS ADVANCED REPORTING FOR ALL OF THEIR EQUIPMENT.

LabCentral has numerous -20°C and -80°C freezers, refrigerators, cold rooms, incubators, and cryogenic freezers. They were monitoring the -80°C freezers with TCA-3 monitoring devices, but the rest of their equipment was not being monitored digitally.

LabCentral was using the Accsense operating system for monitoring the -80° freezers, which provided helpful 24/7 notifications. However, they had issues with the TCA-3 devices failing over time and being unreliable. They were looking for a reliable solution that would provide monitoring as well as advanced reporting for all of their equipment.

SOLUTION

THE POWER OF THE DATA HAS TRANSFORMED THE WAY LABCENTRAL OPERATES.

LabCentral started using Elemental Machines Element-T devices to track all of their cold storage equipment. Now they continuously monitor more than 250 assets. The power of the data has transformed the way LabCentral operates.

"We're able to view data for equipment that wasn't previously connected. Now we have real-time monitoring of temperature that provides us insights into equipment functionality, analysis of shared equipment usage, and the ability to detect problems," said Lyndsey Rissin, Sr. Manager, Lab Operations, LabCentral, Inc.

The power of their data enables LabCentral to be proactive about fixing equipment. They are able to proactively schedule downtime for needed maintenance, rather than risk losing valuable samples.

"We had a refrigerator that was slowly increasing in temperature over a period of time. The average temperature was still inside the desired range, but the equipment clearly wasn't functioning properly. We sent the temperature graphs to our service provider and they were able to make the diagnosis remotely and then order the replacement parts needed to fix it. This saved time and money for everyone involved" Lyndsey said.

RESULTS + BENEFITS

RELIABLE, COMPREHENSIVE DATA ENABLES LABCENTRAL TO MAKE DECISIONS BASED ON THE LIFE CYCLE AND USAGE OF THEIR EQUIPMENT.

Better Insights

Thanks to Elemental Machines, LabCentral's customers have more insight into variability. "For our resident scientists, experiments and processes can be very sensitive to a lot of factors. Our data can give more insight into the variability they might be experiencing in the lab," Lyndsey said.

Smart Lab

Elemental Machines system is monitoring nearly 300 devices for LabCentral.

Data-Based Decisions

Reliable, comprehensive data enables LabCentral to make decisions based on the life cycle and usage of their equipment.

Peace of Mind

Real-time alerts notify lab staff to any out of spec conditions so they can take appropriate actions before any inventory is lost.

“Our lab environment and user environment is unique. Elemental has been very engaged in accommodating our special requirements. I have worked with them closely for a few years now as the company and platform have evolved. They are really open to feedback and have been able to make a lot of the changes that we have requested. They work hard to find solutions for issues that come up—the new ticketing system has been extremely beneficial for getting us attention quickly when needed.”

LYNDSLEY RISSIN | Sr. Manager, Lab Operations, **LabCentral, Inc.**