

## Lab personnel freed up from taking manual readings, SAVING TIME AND MONEY and IMPROVING RELIABILITY.



### INDUSTRY

- Life Sciences
- Agriculture



### PRIMARY VALUE

- Alerting/Monitoring



### APPLICATION

- Lab Monitoring

## SITUATION

THE LAB COMPANY WANTED A RELIABLE 24/7 DIGITAL MONITORING SYSTEM IN PLACE FOR ALL OF THEIR REFRIGERATORS AND FREEZERS.

Previously, the company was not monitoring the majority of their 25+ fridges and freezers. They had four temp alert monitors, which are wireless sensors. These sensors were unreliable as they only monitored down to -20°C, and would regularly drop their signal.

The lab did not have a system for regularly monitoring and recording the temperature of their equipment. Instead, they would just check the reading on the outside of their fridges and freezers. Steve, the facility operations manager, said, "We used them often enough that we would know if there was an outage."

The lab company was opening a new 1200 square foot fungal lab and wanted a reliable 24/7 digital monitoring system in place for all of their refrigerators and freezers.

## SOLUTION

THE SYSTEM IN THE FUNGAL LAB WAS SO RELIABLE, STEVE URGED THE COMPANY TO INSTALL ELEMENTAL MACHINES' DEVICES IN ALL OF THEIR LABS.

The lab company chose Elemental Machines for monitoring the freezers, fridges and environment in their new fungal lab. They installed several Element-T sensors to monitor the temperature of freezers and fridges. They installed two Element-A sensors to monitor temperature, humidity, light and pressure of their lab environment and the environment in a special grow chamber.

"Setting up the system was simple. I gave Dan (the account manager) a list of all the -80s, and -20s, and refrigerators. He actually had them all programmed upon his arrival. It took 5 minutes per unit. We did 21 fridges and freezers in a day," said Steve.

The system in the fungal lab was so reliable, Steve urged the company to install Elemental Machines' devices in all of their labs.

"I told my manager how happy I was with everything in the fungal lab so we should go with Elemental. She was on board, so I called Dan right away. Within a month, we had all of our fridges and freezers monitored."

## RESULTS + BENEFITS

ELEMENTAL MACHINES PROVIDES THE LAB COMPANY 24/7 MONITORING AND REGULAR ALERTS.

### Saved Time

Elemental Machine's alerting system saves them the time they used to spend manually checking their units.

### Peace of Mind

Elemental Machines provides the lab company 24/7 monitoring and regular alerts so now they always know the status and internal temperatures of their equipment.

### Enhanced Confidence

"At my old company, I used Rees Scientific," said Steve. "I had a lot of trust with Rees, they are a great company. But I have just as much confidence in Elemental Machines. I have had no issues with them."

“ Shortly after Dan and I installed the monitors, one of them kept giving me an alert. Dan referred me to customer service, they said, ‘Sounds like you need a new battery.’ The next day I got a package, swapped out the batteries, and we were good to go. They monitor our system from their end, too, and they gave me a call right away and said, ‘You’re all set!’”