SONICU™
Monitoring Measured

MiraVista DIAGNOSTICS
Rapid Fungal Testing. Accurate Results.

Cloud-based temperature monitoring for life science/laboratories

Client

MiraVista Diagnostics, located in Indianapolis, Indiana, is a state-of-the-art diagnostics reference laboratory focused on processing diagnostic tests for serious fungal infections. Specializing in Mycology, MiraVista scientists process and analyze more than 100,000 diagnostic tests annually for hospitals, university/research labs, CROs, government labs and veterinary clinics.

MiraVista maintains approximately 15 freezers and refrigerators that store critical raw and research materials generated from decades of R&D and test method development.

Challenge

Prior to Sonicu, MiraVista's temperature monitoring system presented three significant challenges:

- The system was non-cloud based and provided no alarming capabilities to alert team members of a refrigerator or freezer unit temperature excursion.

- Daily temperature and equipment function had to be checked manually by lab scientists, resulting in hours of time diverted from core responsibilities.

- Annual probe recalibration required units to be shipped to the manufacturer for recalibration. A one-month turnaround time made recalibration scheduling and coordinating difficult.

Solution

Sonicu provided 40 temperature probes to monitor temperatures in freezers, refrigerators, incubators, and room temperature monitoring in temperature-sensitive areas for the entire facility, transmitting and storing the data in its cloud-based software platform for 24/7 monitoring, alarming and reporting. Sonicu went on site to install and train the MiraVista team in a single day, providing instant login and access to its web-based portal for real-time temperature data on all locations and equipment in the facility.

"Sonicu costs are considerably more reasonable than our historic system, as well as other competitors on the market. The equipment is robust but simple to learn and utilize. Sonicu customer support is very quick (usually, less than 24 hours for a response) for any issues that arise. Our biggest regret is waiting so long to make the transition to utilize Sonicu for our temperature–monitoring needs."

Zach Flohr, MiraVista Production and Engineering Manager

Results

MiraVista was able to install, validate, and begin using Sonicu within a single month for its entire facility. The previous temperature system was decommissioned, and Sonicu became the primary temperature monitoring and alarming system for all MiraVista equipment and room monitoring.

As a result of implementing Sonicu:

- There is zero downtime for annual recalibration.

- Manual temperature monitoring and checking has been eliminated, saving hours each week in unnecessary effort.

- Sonicu has alerted the team to various equipment failures, allowing for immediate response to save critical materials and research that would have been lost using the previous system.

- MiraVista has reduced costs and increased efficiency.

With the successful initial implementation, MiraVista is moving forward with a second-phase installation of Sonicu probes and monitored points.