

CASE STUDY:

Cryo and Ultra-low Temperature Monitoring



Client

Cryopoint, based just outside Indianapolis in Brownsburg, Indiana, offers a full range of on- and off-site cryo-preservation services to a diverse client base that includes hospitals, university research departments, biotech enterprises, physicians' groups and pharmaceutical companies. With more than 25 years of industry experience, Cryopoint has become a premier global provider of comprehensive sample management and biological storage solutions.

Challenge

Ensure sample safety and security with constant temperature monitoring under demanding conditions.

When storing extremely sensitive, expensive and, in many cases, irreplaceable biologic samples and specimens at temperatures hovering near minus 320 degrees Fahrenheit, Cryopoint's demanding operation required consistent, accurate temperature monitoring and measuring to avoid a catastrophic loss.

Results Summary

Reliability and safety ensured with 24/7 temperature monitoring and instant, real-time alarming.

24/7/365 SMART Alarming

- User-defined parameters tailored to urgency levels for automatic escalation and forwarding eliminated concern about operational integrity and sample safety at all locations.
- Improved and enhanced response time for potential temperature excursions for increased security and customer satisfaction.

Single Platform/Total Accessibility

- Cloud-based data and alarming platform is accessible from any desktop, email or smartphone anytime, anywhere ensuring constant connection to Cryopoint's operations – even when the facility is unstaffed.
- Central portal provides real-time temperature views, daily and monthly reports and weekly summaries by device at one customizable dashboard.

SMART Management Tools

- Eliminated manual temperature reading and logging to increase efficiency and eliminate error.
- Allowed Cryopoint to input comment and context for alarm events and automatically organize reports for federal and state regulatory reporting requirements.
- Provide archived historical data to identify potential equipment problems, define operational issues and improve processes and accountability.

Simple Installation and Expansion

- Sonicu ultra-low temperature monitoring installed easily and is fully scalable for future expansion as Cryopoint's business continues to develop.

See reverse side for our solution >>



The Sonicu Solution

Sonicu installed a complete 20-point monitoring solution that ensured temperature security at Cryopoint, added value to the company's services and reassured its clients. Nine Cryogenic Storage Tank probes, multiple Sonicu digital temperature probes, transmitters and an oxygen depletion sensor were linked to Sonicu's cloud-based platform via a cellular gateway to provide Cryopoint real-time and archived data access along with 24/7/365 alarming via any web browser-based computer, smart phone or device.

Satisfaction

"In the cryo and ultra-low temperature industry, there's no room for error when it involves temperature monitoring. Sonicu's Temperature Monitoring Program provides Cryopoint peace of mind and bolsters our clients' confidence in what we do."

*–Tony Donofrio,
Cryopoint Vice President of Operations*

