

# OUR GOAL: Your Peace of Mind



Life Science, Laboratory and University Temperature  
and Environmental Monitoring

# COMPLIANCE. SAFETY.

Reduced Manual  
Processes.  
Our commitment  
to your team.



Environmental monitoring is an essential aspect of research laboratories across various scientific disciplines.

It involves regularly measuring and tracking environmental conditions within the laboratory environment.

Most research laboratories have hundreds if not thousands of important, sensitive, and rare samples that if lost, could set research back years, lead to reputational harm, and jeopardize grant funding.

Many experiments and research projects involve sensitive materials, such as biological samples, chemicals, and reagents.

These substances can be sensitive and require specific conditions for their stability and integrity.

Environmental monitoring ensures that these materials are stored, handled, and processed within the prescribed conditions, minimizing the risk of sample degradation or alteration.

Accurate and reproducible results are fundamental in scientific research. Environmental variations within the laboratory can significantly impact the outcome of experiments.

By monitoring and controlling conditions, researchers can maintain consistency and repeatability in their experiments, reducing the likelihood of errors and improving the reliability of their findings.

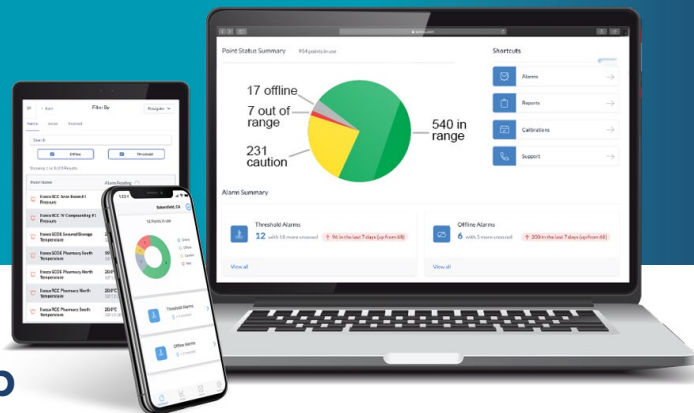
Boston University estimated that in a recent freezer loss, **a researcher lost 20 years of research material.**

[Read More](#)

A Harvard research hospital **experienced a freezer loss that resulted in the loss of one third of the largest collection of autism brain samples.**

[Read More](#)

When the stakes are this high, you need to have a plan in place.



## Are you prepared for a snap FDA audit tomorrow?

## How much time are you spending on manual processes?

## How would you explain the loss of critical research to your team?

Research laboratories typically house a range of sophisticated and costly equipment, such as:

- incubators
- refrigerators
- freezers
- and ovens

Leveraged across research for:

- sample storage
- cell culture
- chemical reactions

Environmental monitoring ensures that these instruments operate at optimally, maximizing their efficiency, longevity, and accuracy.

Additionally, environmental monitoring can provide early detection of any malfunctions or deviations in equipment performance, allowing for timely maintenance or repairs.

Environmental fluctuations can pose safety risks within a laboratory setting. Certain materials may become unstable or hazardous at specific temperatures, potentially leading to accidents, fires, or chemical reactions.

## How many years will your research be set back if a freezer fails in the middle of the night?

[Read More](#)

Temperature fluctuations can pose safety risks within a laboratory setting. Certain materials may become unstable or hazardous at specific temperatures, potentially leading to accidents, fires, or chemical reactions.

Similarly, many items stored or utilized in laboratories are vulnerable to extreme humidity conditions, and maintaining proper conditions can extend their life, prevent spoilage and waste, and inhibit bacterial growth.

Some experiments can only be conducted in clean rooms or under hoods, which are kept sterile through the use of pressurization.

Moreover, environmental monitoring is often a regulatory requirement in research laboratories, ensuring compliance with industry standards and guidelines in addition to ensuring safety.

Regular environmental monitoring helps identify any deviations from safe temperature, humidity, or pressure conditions, enabling prompt corrective actions to prevent accidents and maintain a secure working environment.

## How much grant funding will be threatened if you don't maintain regulatory compliance?

# The finest names in life sciences trust Sonicu with their most valuable assets.

## Life Sciences



## Healthcare



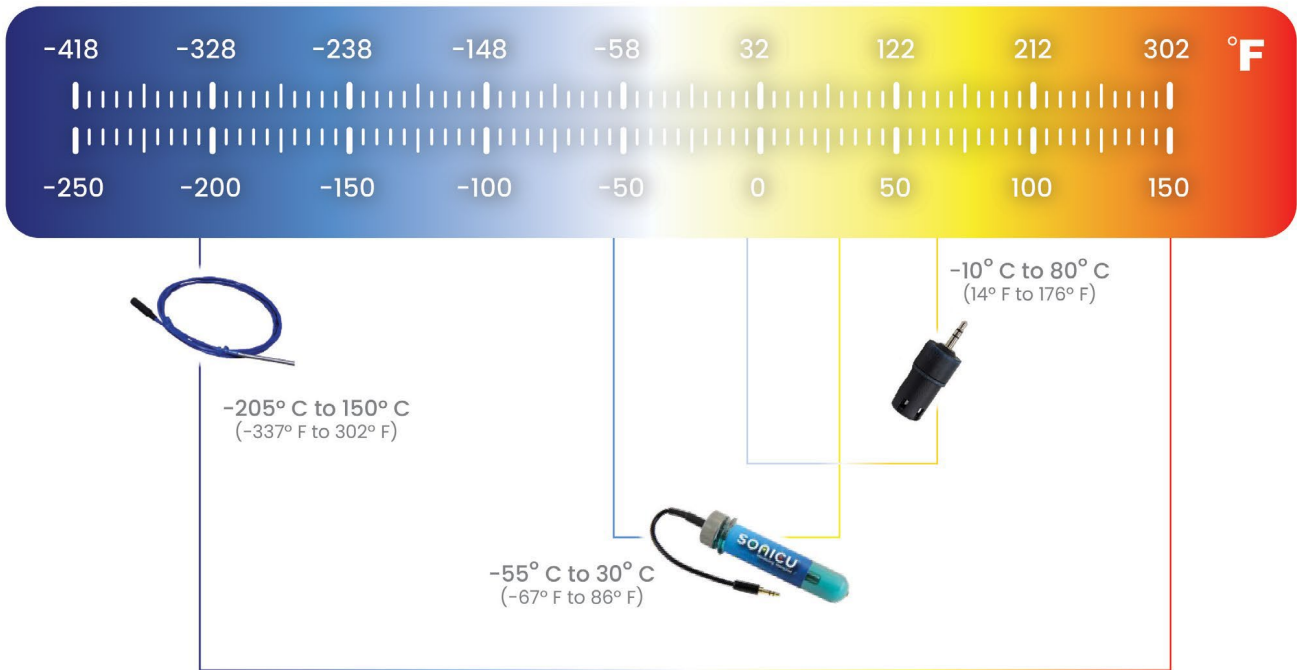
**~18,000 users from ~600 customers:  
From Canada to the Caribbean and all 50 states**

# PEACE OF MIND:

## Wireless, Simple, & Affordable

### YOUR RESEARCH: CONNECTED AND PROTECTED

#### Ranges of Temperatures



#### Monitoring Opportunities

<b>TEMPERATURE</b>	<b>TEMPERATURE</b>	<b>HUMIDITY</b>	<b>DIFF. AIR PRESS.</b>	<b>CRYOGENIC</b>	<b>INCUBATOR</b>
Refrigerators Freezers Walk-In Coolers Refrigerated Warehouses Cold-Chain Distribution	Blanket Warmers Incubators Food Warmers Food or Livestock Producers Industrial Applications	Compounding Rooms Warehouses Clean Rooms Surgery Rooms Research Labs	Compounding Rooms Surgeries and Isolation Rooms Clean Rooms Construction Sites HVAC Systems	Cryogenic Freezers Liquid Nitrogen Dewars Cryotherapy Biologic In-Vitro Flash Freezing	Incubator Life Science Research

# AFFORDABLE AND SIMPLE MONITORING:



## Trusted, Proven, and Reliable

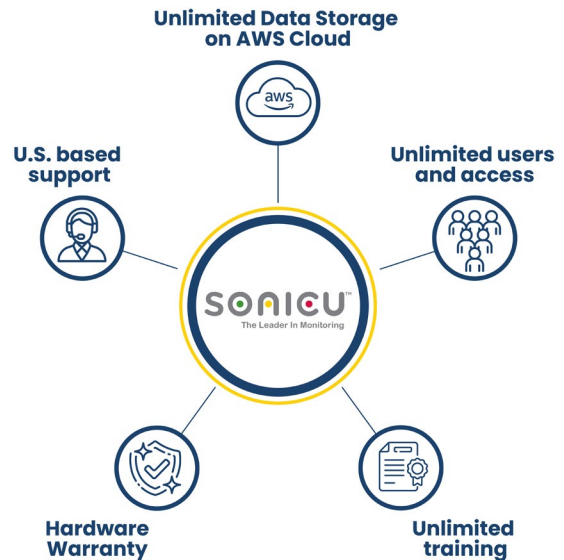
Sonicu's ecosystem is the most comprehensive and streamlined solution for research facilities.

Once all the monitoring points for temperature, humidity, air pressure differential, and sound are consolidated into our SoniCloud ecosystem, your organization will have unparalleled operational visibility and peace of mind.

Our system is designed to be easy to install, simple to use, save money, and automate regulatory compliance.

With Sonicu you can customize your needs, such as unique floor plan layouts or specific cybersecurity requirements.

With our advanced temperature monitor system, you can have peace of mind knowing that any temperature fluctuations or equipment malfunctions will be detected immediately.



**“There’s no way we can’t have this sort of system, so then it comes down to ease of use, support and cost... It’s very convenient and affordable for us how anyone can monitor diverse conditions in one software system.”**

Misa Hata, Director, Innovation Center, Ohio University

## All Sonicu monitoring solutions are:

Easily implemented and fully scalable without hardwiring or expensive retrofits.

Completely automated to eliminate manual monitoring, logging and reporting.

Totally secure and operate independently of existing IT infrastructure.

Warranted and supported by Sonicu's dedicated support team.



**With virtually unlimited opportunities to automate and save across your facility, Sonicu is the simple solution to your monitoring needs.**



**OHIO**  
UNIVERSITY

**S** Syracuse  
University

**UF** UNIVERSITY of  
FLORIDA

Research facilities need a system in place to monitor temperature, pressure, humidity, and more.

If you are still using manual processes to complete these tasks, you could be saving time, money, and other precious resources. Sonicu automates these tasks for you, storing your data securely, and giving you easy access from anywhere.

Sonicu's life science monitoring solutions consolidate all monitoring, reporting and management applications into one platform, providing superior operational visibility and uniform implementation with one cost-effective solution.

SoniCloud, Sonicu's cloud-based software platform, enables real-time access to and viewing of all monitored points in various locations throughout an entire system via a client-specific, customizable dashboard. Constant monitoring, tiered alarming, and automated logging and reporting are standardized across your entire enterprise.



**“Cost competitiveness, great customer service, you have great control over the monitoring system and low maintenance. You can't beat that.”**

Misa Hata, Director, Innovation Center, Ohio University

[Watch Video](#)

# MONITOR VIRTUALLY ANYTHING:

We help clients connect their organization to the cloud for improved operational visibility.



From occupancy to water leak, we can help you with simple and affordable solutions to better monitor your mission-critical facilities.



# ALL OF YOUR RESEARCH Facility Monitoring Consolidated in One Ecosystem

Sonicu provides a full suite of monitoring solutions, fully automated 24/7 remote monitoring, alarming, and reporting for cold-chain, room conditions, and virtually any custom monitoring application.

Our cloud based software, Sonicloud, gathers data to a single dashboard, giving you web-based access to critical information from anywhere.

## Facilities

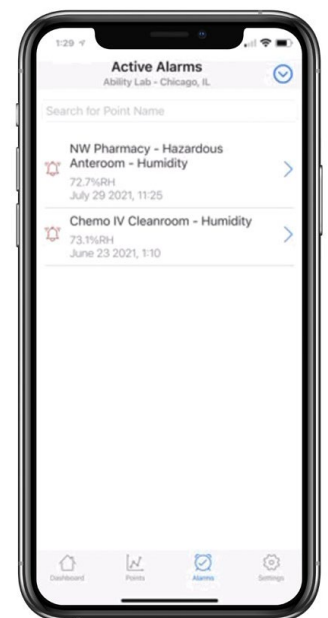
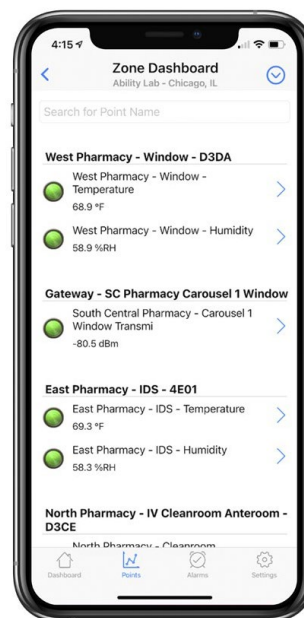
Alerts and alarms to you, your staff, and your facility manager via text, email, push notifications and calls. Create groups and zones to separate departments and make managing large organization simple.

Alert hierarchies can be customized based on your needs, whether it be a change in personnel or scheduling. Sonicu provides a wireless monitoring ecosystem to keep your organization running.

Keep your team equipped with the monitoring tools they need to be successful.

## Laboratories

Some of the most mission-critical assets to a research facility are stored in their labs. Implementing our remote monitoring system can help your staff ensure everything is running properly. Sonicu supplies monitoring for cryogenic storage, -80F freezers, incubators, and more.

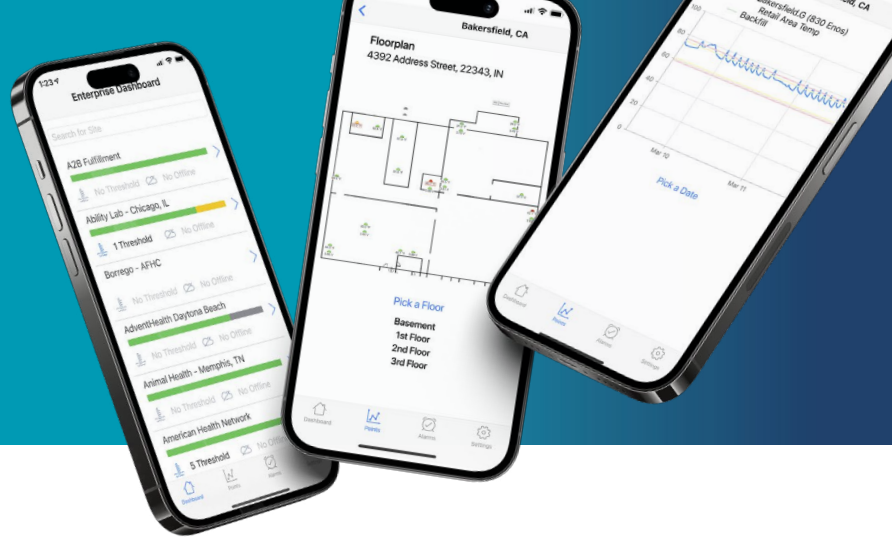


**“Thanks to our monitoring and alerts with Sonicu, we saw that humidity levels in that new [oncology] building kept rising into areas that were unacceptable for the sensitive work underway... “The advances in technologies for patient care in the past decades are nothing short of miraculous and technologies like Sonicu are very much part of our technology investment.”**

Tim Livesay, Pharmacy Director, Hancock Regional Hospital

[Watch Video](#)

# EVERY DEPARTMENT, EVERY BUILDING, EVERY CAMPUS: Connected and Protected



## Temperature Sensitive Storage

Research laboratories often store various samples, reagents, and chemicals in refrigerators, freezers, and incubators. Environmental monitoring of temperature ensures that these storage units maintain the required temperature ranges, preventing sample degradation, preserving stability, and ensuring the efficacy of stored materials.

## Incubators and Shakers

In cell culture and microbiology research, maintaining optimal conditions in incubators and shakers is crucial. Environmental monitoring of temperature, humidity, and CO2 levels helps ensure the growth and viability of cells, bacteria, or other cultures, promoting successful experiments and reliable results.

## Biological Safety Cabinets

Biological safety cabinets (BSCs) are essential for working with hazardous biological materials, providing a controlled environment to protect researchers and maintain sample integrity. Monitoring factors such as airflow, temperature, and pressure within BSCs ensures proper functionality, preventing cross-contamination and maintaining a safe working environment.

## Instrumentation Rooms

Research laboratories often house sophisticated instruments and equipment that require specific environmental conditions. Monitoring temperature, humidity, and vibrations in instrumentation rooms helps ensure the optimal functioning and accuracy of sensitive equipment, such as microscopes, spectrometers, or chromatography systems.



**“Sonicu gave us the ability to more easily put our head on the pillows and sleep easier at night knowing we had invested in a strong monitoring system.”**

Dennis Marchesi, Laboratory Director, Xytex

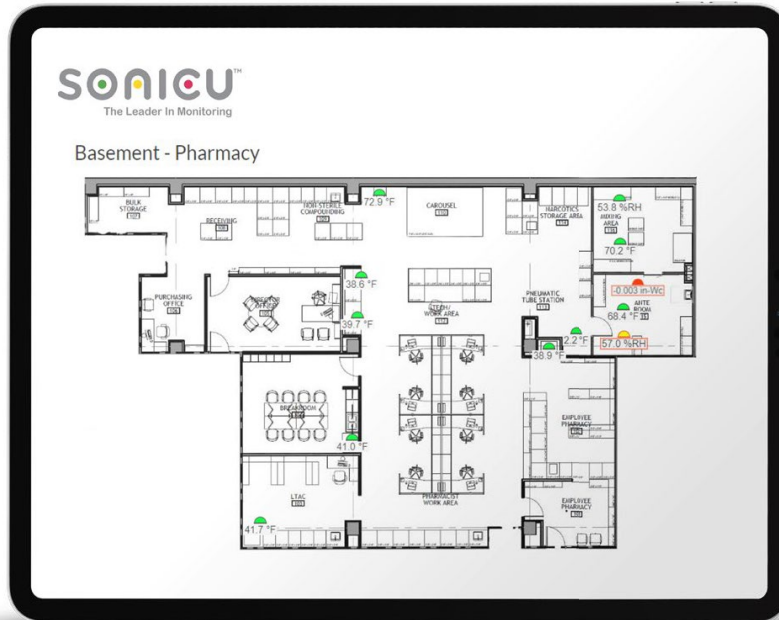
# OUR ECOSYSTEM

makes monitoring your labs easy.

## Status Summary and Enterprise Dashboard



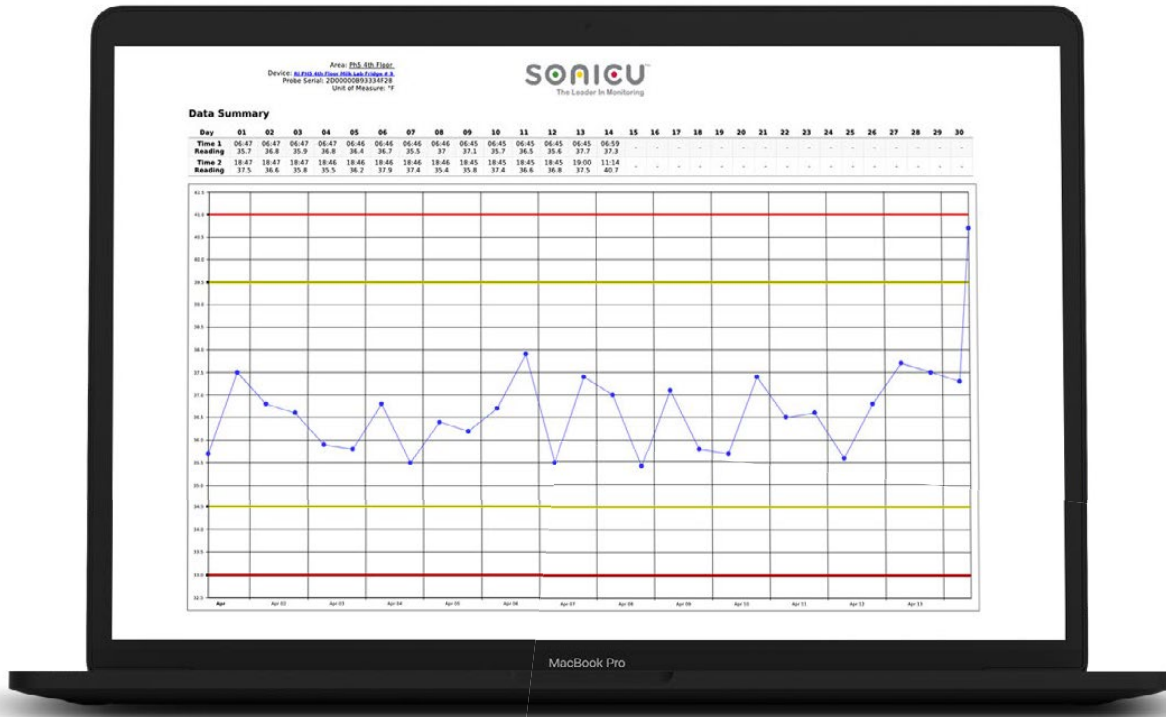
## Floorplan



**Wherever you go:**  
Stay connected to your critical assets and environments.

# YOUR COMPLIANCE:

## Simplified Two-click regulatory readiness



# NEVER FRET AN AUDIT AGAIN:

## Your reporting, your peace of mind

### Reports

Group	Total	Resolved			Snoozed			Active		
		#	%	Avg Time	#	%	Avg Age	#	%	Avg Age
default (new users)	0	0	-	-	0	-	0	-	0	-
Pharmacy	7	7	100%	0.9 Hrs	0	-	0	-	0	-
AOC Hematology/Oncology Clinic	3	3	100%	1.3 Hrs	0	-	0	-	0	-
ID5	1	1	100%	1.6 Hrs	0	-	0	-	0	-
Lifeline	0	0	-	-	0	-	0	-	0	-
Retail Pharmacy	0	0	-	-	0	-	0	-	0	-
IU Edu	0	0	-	-	0	-	0	-	0	-
PH4 2nd Floor Pulmonary	1	1	100%	0.9 Hrs	0	-	0	-	0	-
Infectious Disease	0	0	-	-	0	-	0	-	0	-
PDC	0	0	-	-	0	-	0	-	0	-
SFC	1	1	100%	0.9 Hrs	0	-	0	-	0	-
Dietary	90	90	100%	1.0 Hrs	0	-	0	-	0	-
NICU	14	14	100%	1.2 Hrs	0	-	0	-	0	-
Child Protection	0	0	-	-	0	-	0	-	0	-
7.PHS.87465 Soiled Utility Frl	0	0	-	-	0	-	0	-	0	-
3.RLPHS.E3461 Med Fridge	0	0	-	-	0	-	0	-	0	-
NICU Sound	26	26	100%	1.5 Hrs	0	-	0	-	0	-
Facilities	505	505	100%	1.0 Hrs	0	-	0	-	0	-
Milk Lab	40	40	100%	0.8 Hrs	0	-	0	-	0	-
NCU Research	0	0	-	-	0	-	0	-	0	-
Dialysis PH4 1st Floor	0	0	-	-	0	-	0	-	0	-

Page 1 of 2



### APPLICATIONS & INDUSTRIES



Healthcare



Food Service



Research/  
Laboratories



Industrial/  
Manufacturing



Government  
/K-12

CELL

WIFI



ETHERNET



Sonicu provides access, alarming and archiving 24/7/365 via any internet-enabled device.

# 10 ESSENTIAL SOFTWARE

features included with Sonicu



Alarms and notifications



Unlimited data storage (AWS)



Compatible with third-party sensors



21 CFR Part 11 Auditing



Access on any smart device



Unlimited users access



Automated regulatory compliance reports



Backup and uptime guarantee



API for simple data sharing



BMS/BAS data sharing



Calibration Certificate



Customized dashboard

# SENSITIVE ENVIRONMENTS: In Room Display



[Watch Video](#)

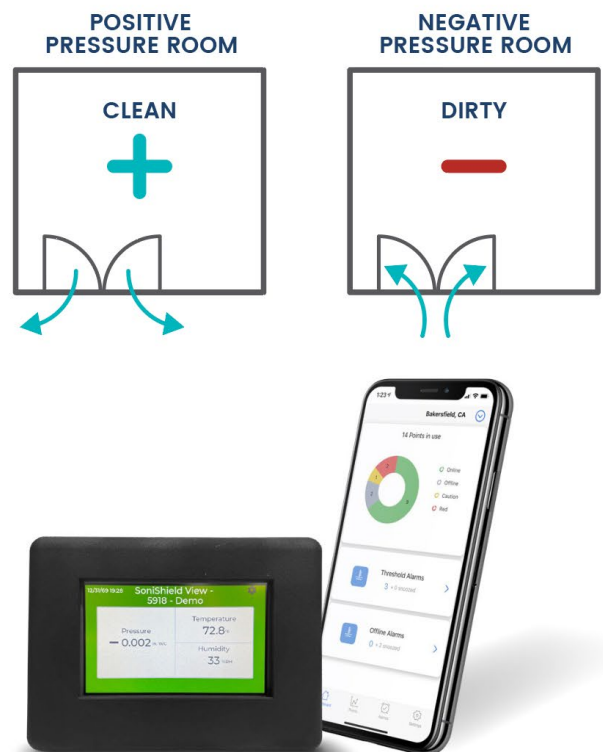
## CONNECT, DETECT & PROTECT

### SoniShield View

#### DIGITAL METER WITH POWERFUL MOBILE APP

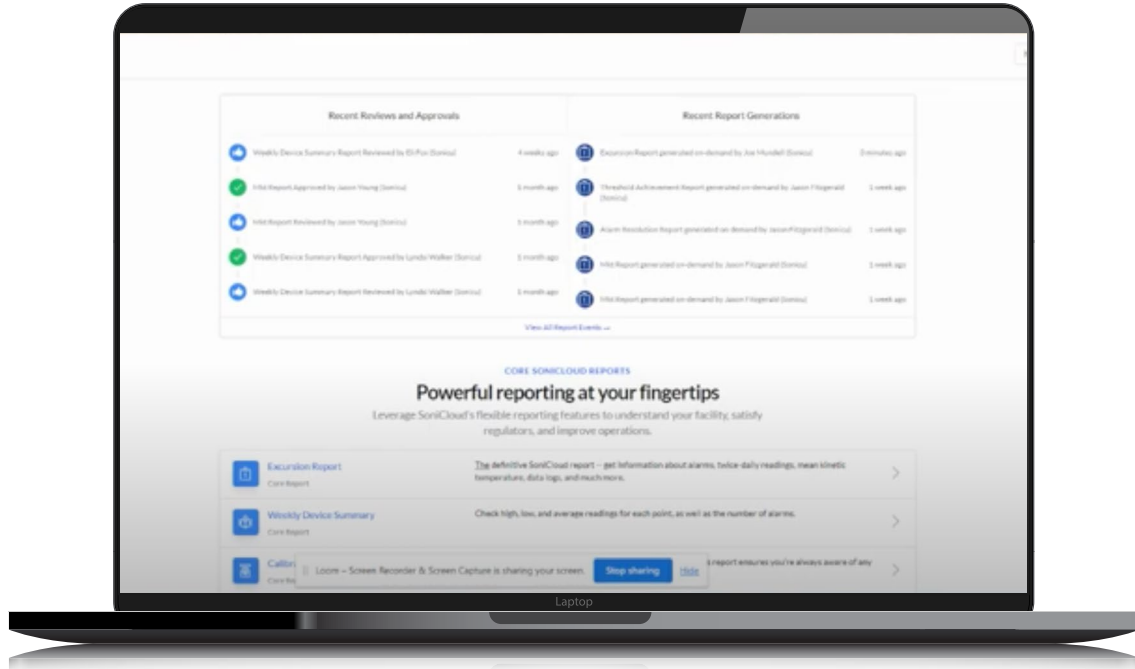
Compatible with Sonicu's NIST certified room condition monitoring digital sensors, including temperature, humidity, and differential pressure, the View uses advanced wireless technology for an efficient and easy-to-use wireless monitoring experience.

The SoniShield View display delivers **real-time room monitoring** and the powerful SoniCloud Mobile app wirelessly configures the View in seconds.

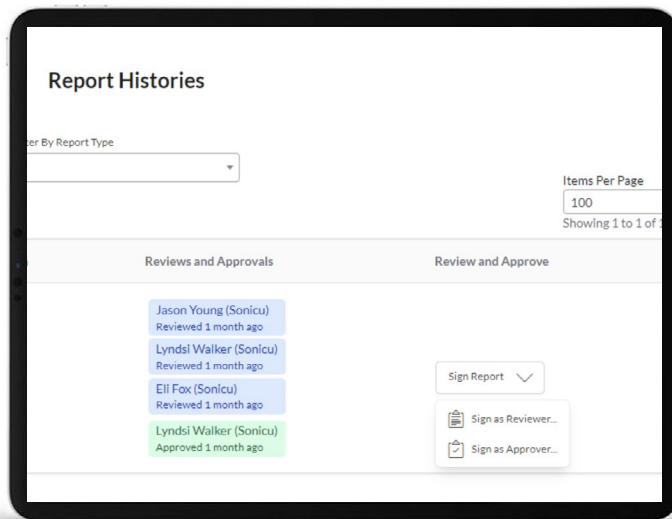


# SENSITIVE ENVIRONMENTS: In Room Display

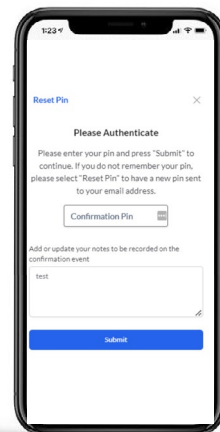
## 21 CFR Part 11 Audit Traceability



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Signature capability  
in report histories



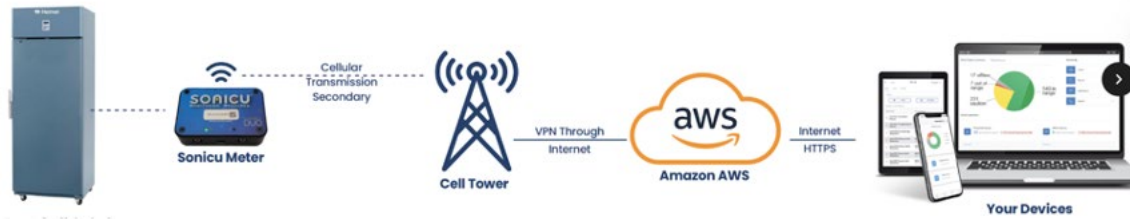
Digital signature and  
calibration history:  
Built for the FDA



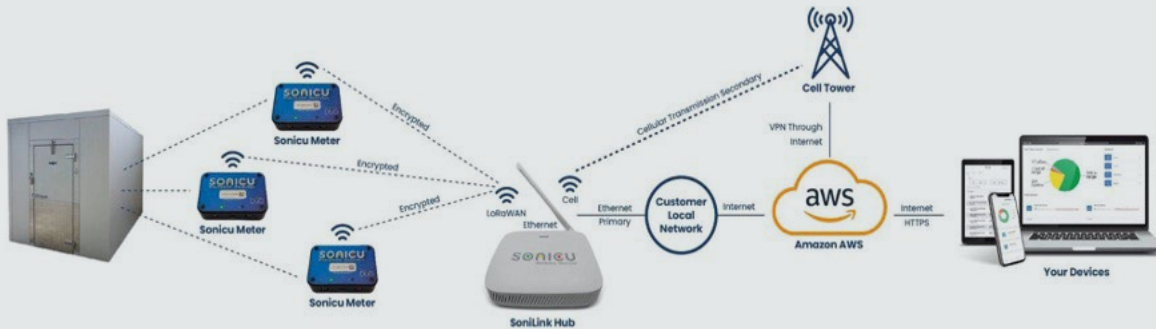
# YOUR DEVICE CONNECTIVITY:

## Flexible, reliable, and secure

Hundreds of facilities rely on us to mitigate expensive operational errors and enhance preparedness for compliance requirements. This ensures the comfort and safety of researchers, staff, administrators, and visitors and enables storage facilities to function correctly.



Our system automates data collection, monitors critical parameters, and generates detailed reports, making compliance management efficient and stress-free. At Sonicu, we empower organizations to reimagine their approach to compliance, quality assurance, and operational efficiency. We streamline and optimize how organizations collect data, monitor, and comply with regulatory requirements.



### Wi-Fi – Cellular – SoniLink Options to make data transmission easy

We invite you to experience the transformative power of Sonicu firsthand. Let us help you unlock the full potential of your organization, enhance compliance, and drive operational excellence.

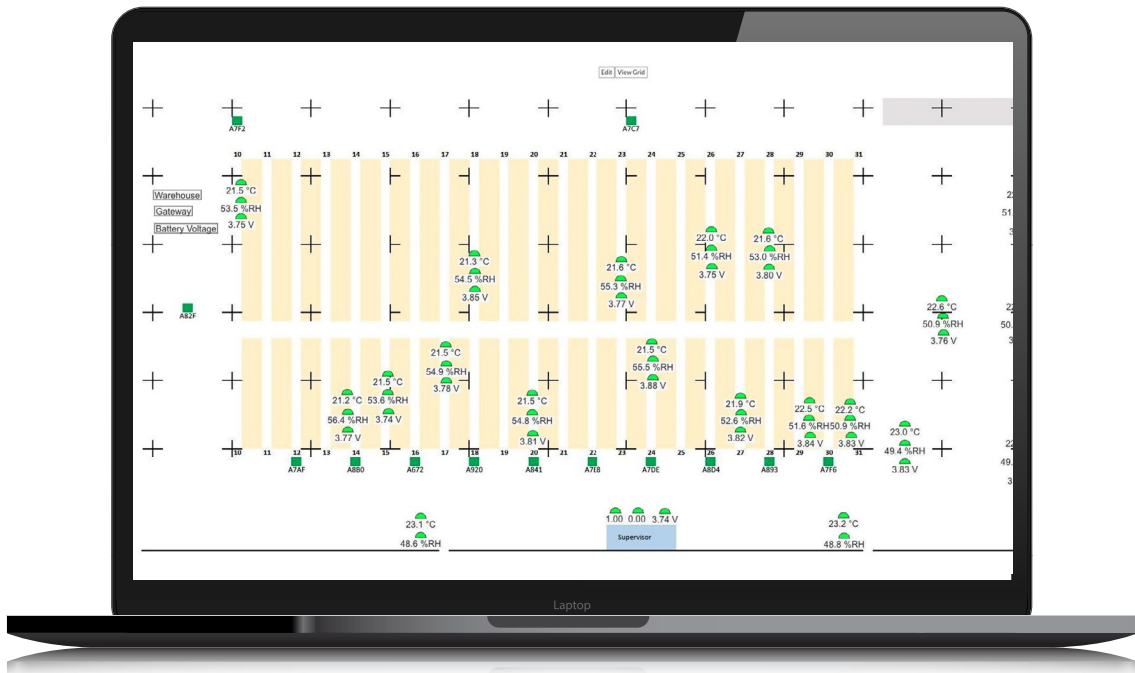
# S SERIES IN A LABORATORY



Sonicu S-Series sensor is among the most cost-effective and easy to deploy monitoring solution available today, and is available with NIST certificate for compliance-focused facilities. A single hub can collect data from hundreds of sensors and transmit securely to SoniCloud.

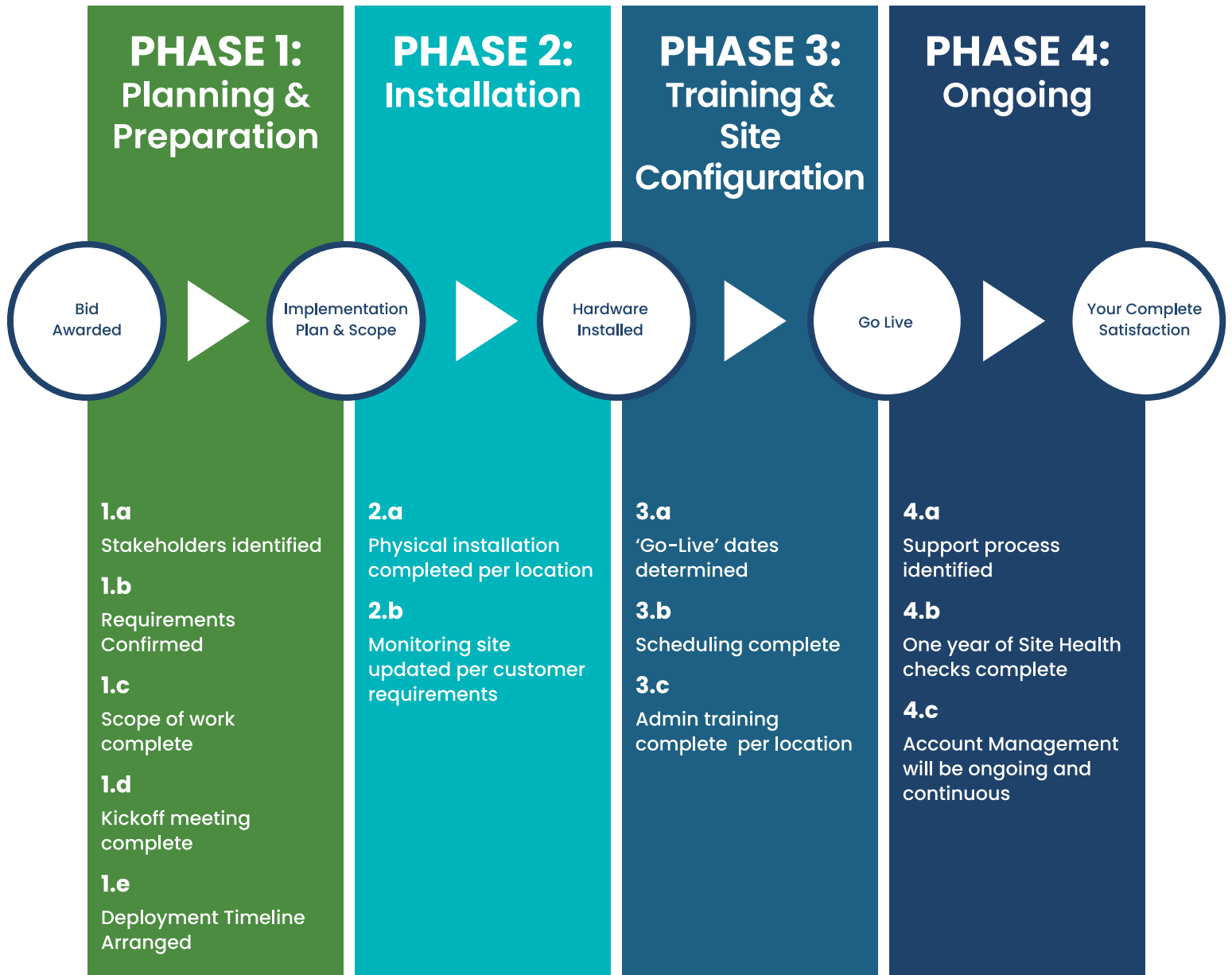
# SEE YOUR CONDITIONS ACROSS YOUR FACILITY:

Smarter management tied to your BMS



Your birds eye view on threats to your operations and revenue:  
**Available anywhere, anytime.**

# IMPLEMENTATION:



# REMAINING COMPLIANT is a SNAP



View, download, or print calibration certificates online in PDF format instantly from any web browser.

Our SNAP Calibration program assures that your temperature and environmental monitoring sensors are accurate, properly calibrated, and meet regulatory compliance without the need for conventional recalibration.

This program is designed to provide our clients with minimal risk, loss, disruption, and non-compliance when one or more of our sensors are not working properly.

We will ensure that your sensors are accurate, properly calibrated, and meet regulatory compliance requirements.

This process is easy. Sonicu provides new sensors with NIST traceable calibration certificates prior to your current expiration date. Sonicu will completely remove the old sensor and snap the new sensor into place, that's all!

## What does the SNAP Calibration program deliver?

- Easy & cost effective way to maintain regulatory compliance without the hassle of conventional recalibration.
- Everything from alarming and protecting to logging and reporting depends on proper data from precise, properly calibrated sensors.
- Ensures your temperature sensors are accurate, properly calibrated, and meet regulatory compliance.
- Sonicu adheres to strict quality controls and maintains ISO 17025 compliance.

## How are you benefiting from our SNAP Calibration program?

- Remove administrative burden, uncertainty, and worry about required, recurring sensor calibration.
- Eliminate downtime associated with conventional recalibration.
- SNAP Calibration is far less expensive than traditional recalibration services.

# WHAT THEY SAY

Testimonials from happy customers



Indiana University Health

The largest healthcare system in Indiana with 16 hospitals and over 36,000 employees.

“Consolidating with one provider helps us better manage our assets and our people, and gives us system wide visibility. Sonicu provides excellent customer service and is very user friendly.”

- Facilities Supervisor, IU Health

[Read More](#)

# WHAT THEY SAY

Testimonials from happy customers



A premier global provider of comprehensive sample management and biological storage solutions.

“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

[Read More](#)

# WHAT THEY SAY

Testimonials from happy customers



A highly respected diagnostics company that processes over 100,000 tests a year for customers across the US and Canada.

“Sonucu 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.”

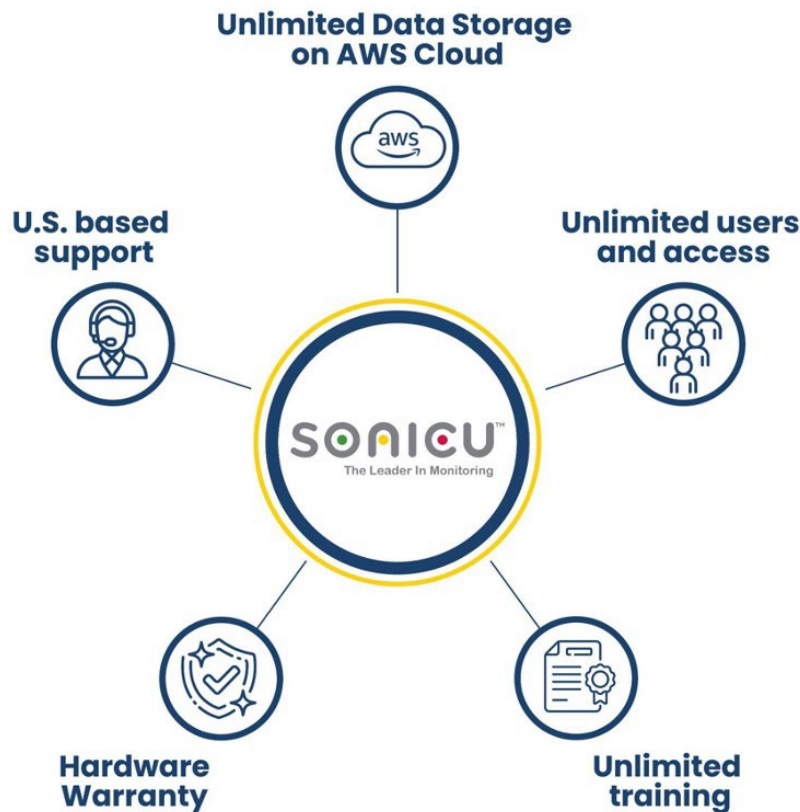
– Zach Flohr, MiraVista Diagnostics, Production & Engineering Manager

[Read More](#)



# BASED IN INDIANA:

## Live customer support and training



### Our Enduring Commitment to Every Customer:

- Hardware under warranty during subscription
- Sonicu Academy for unlimited training
- Your data stored forever without limits
- Share your monitoring with everyone on your team and create groups and zones for role and permission-based management



[Watch Video](#)



### **About Sonicu**

Sonicu is a leading provider of innovative solutions that transform how organizations monitor and manage critical environments. We specialize in leveraging the power of IoT (Internet of Things) technology to provide real-time monitoring, data analytics, and actionable insights.

Our comprehensive range of solutions covers a wide range of industries, including healthcare, food service, pharmaceuticals, retail, hospitality, and more.

Sonicu's offerings include automated monitoring systems for temperature, humidity, pressure, air quality, and other vital parameters.

With Sonicu, organizations can proactively monitor their environments, ensuring compliance with regulatory requirements, optimizing operational efficiency, and safeguarding the quality and safety of their products and services.

Our advanced technology and intuitive platform enable businesses to make data-driven decisions, mitigate risks, and drive continuous improvement.



**Trust Sonicu to transform your monitoring practices and empower your organization with actionable insights for success.**