THE RS REVIEW

2025 Q4 | THE TOTAL SOLUTIONS PROVIDER FOR REGULATED ENVIRONMENTS

A YEAR OF PROGRESS AND INNOVATION IN MOTION

As we close out the year, we're proud to reflect on a season of progress and innovation across the Rees community. Our regular software releases and the upcoming launch of ReesHelix, our new software platform, marked important steps forward this year. Together with the continued evolution of our monitoring and validation services, these efforts are creating a more unified, secure, and modern experience for our customers.

This quarter's issue highlights that momentum, featuring new regulatory insights like the updated CLIA requirements, practical guidance on hospital refrigerator monitoring, and a spotlight on how Astoriom strengthened its biorepository operations with Rees. You'll also see a look inside Rees, featuring company events, new customer partnerships, and moments that made this year one to celebrate.

Thank you for your continued trust and collaboration. We look forward to supporting your operations in the year ahead with solutions and services designed to help you stay ready, connected, and confident.

From all of us at Rees Scientific, we wish you and your teams a safe, happy, and healthy holiday season and a bright start to the new year.

THE RS BLOG

Our blog consists of a variety of topics related to our industry, our products, and our customers. Visit our website and check out our latest posts today!

New Blog Posts:

- Hospital Refrigeration Temperature Monitoring Guide
- Ensuring Compliance and Reliability in a Cell & Gene Therapy Lab
- What the 2025 CLIA Updates Mean for Labs and How Environmental Monitoring Supports Compliance
- Why IVF Labs Need Environmental Monitoring Systems to Protect Patients and Compliance
- Supporting Breast Cancer Awareness Through Better Monitoring
- Environmental Monitoring in Hospitals: One System for Every Department

LET'S GO

THE NEXT STEP IN OUR COMMITMENT TO INNOVATION

Rees Scientific's latest software update, Release 2509, marks an exciting step forward in the modernization of our monitoring and control platforms. This release delivers a mix of refinements, enhancements, and new features designed to enhance security, reliability, and overall performance across the Rees ecosystem.

The highlight of this update is the addition of Single Sign-On (SSO) for Presidio on the Go, giving users a faster and more secure way to access their systems. The new SSO integration, built through Microsoft Entra ID, simplifies login management, improves authentication security, and reduces password fatigue for enterprise users.

Beyond SSO, the 2509 release includes several behind-the-scenes improvements that make our system even more stable and easier to manage. It also represents a turning point, as we move from foundational updates toward introducing more innovative, customer-driven features in upcoming releases.

Looking ahead, our next release (2601), planned for early next year, will extend integration with the new ReesHelix user interface and deliver enhancements across Presidio on the Go, the new UI, and the Workstation platform. Together, these efforts continue our push toward a modern, unified, and secure experience for all Rees Scientific customers.

All Rees Scientific software releases follow a defined Quality and Validation process to ensure they meet compliance and our internal standards. Each update is reviewed and certified by our Quality organization so customers receive software that is consistently maintained at the highest level. This approach gives teams confidence that every release is built on a controlled, compliant, and well-governed process.

If your team would like a walkthrough of the upcoming ReesHelix interface or wants more information on how to get ready for the new UI, our Sales representatives can provide demos and additional details.

PRINT AD

Check out the latest Rees ad

Enjoy the latest Rees Digital Ad that was sent out via email from ISPE Smart Brief in October.

CASE STUDY SPOTLIGHT

ASTORIOM STRENGTHENS BIOREPOSITORY OPERATIONS WITH REES MONITORING

Astoriom, a global leader in stability storage and biorepository management, safeguards sample assets for clients across more than 20 industries. With facilities in the U.S., UK, and Ireland, the company operates under strict quality and regulatory standards, including CAP, FDA 21 CFR Part 11, ISO 9001, ICH Q1A/B, and GxP compliance.
When Astoriom's Research Triangle Park (RTP) site faced challenges with an outdated monitoring system, including paper-based records, no remote visibility, and limited scalability, they needed a better approach. The team turned to Rees Scientific for a modern, validated solution.

The Rees Environmental Monitoring System (EMS) provided immediate improvements, including:

- Real-time monitoring across LN2, -80°C, -20°C, and 4°C freezers
- Generator ATS and door switch alarms
- Failover node for backup monitoring and compliance assurance
- Comprehensive calibration, validation, and service support

Since implementing Rees, Astoriom has eliminated paper records, automated alerts, and gained full visibility into equipment performance hence improving efficiency and compliance readiness.

As the company expands globally, Astoriom plans to scale its Rees system even further, adding more probes and automation to continue strengthening client confidence and operational excellence.

astoriom

"The failover node allows us to have a backup system that takes the burden off our staff and instills confidence in our clients that we truly have 24/7 eyes on the equipment housing their assets."
— Katie Barnard, Sample Management Supervisor, Astoriom

Happy Holidays from Rees Scientific

As we close out the year, all of us at Rees Scientific want to extend our sincere thanks for your partnership and trust. It's been a privilege to support your work in 2025, and we look forward to continuing to serve you in the year ahead.
We wish you and your teams a safe, happy, and healthy holiday season!

Holiday Schedule:

Our offices will be closed on December 25, 26, and January 1 so our team can spend time with family and friends. As always, our 24/7/365 monitoring and support services will remain available during this time.

WHY HOSPITAL REFRIGERATOR MONITORING MATTERS MORE THAN EVER

From blood banks to pharmacies, hospitals depend on refrigerators and freezers to keep critical materials such as vaccines, blood products, and medications, safe and effective. But compliance and patient safety don't just come from having medical-grade units. They depend on knowing, at every moment, what's happening inside them. That's where a hospital-grade temperature monitoring system comes in.

Why Monitoring Is Essential

Even short temperature excursions can compromise stored materials, leading to wasted inventory, failed inspections, or most importantly, patient risk. That's why agencies like the CDC, AABB, USP, and The Joint Commission require continuous temperature monitoring, alarm notifications, data logging, and validation.

In most hospitals, these systems are used across:

- Pharmacies: For vaccines, insulin, and antibiotics
- Blood banks: For whole blood (1–6°C) and frozen components
- Laboratories and pathology departments: For tissue and reagent storage
- Operating rooms: For anesthetics and surgical materials
- Nutrition and dietary services: For specialized formulas and supplements

Core Requirements in Hospital Settings

Modern compliance guidelines typically call for:

- Continuous temperature monitoring (not manual checks)
- Audible, visual, and remote alerts for out-of-range conditions
- Automated data logging and secure, tamper-proof records
- Annual calibration and validation
- Backup power and failover protection

These measures not only help meet regulatory standards, they also prevent costly disruptions and compliance gaps.

How Monitoring Systems Work

A hospital temperature monitoring system includes:

- Sensors: Calibrated probes inside refrigerators and freezers
- Transmitters: Wired or wireless devices that send readings
- Software: Displays real-time data, logs trends, and sends alerts
- Alarms: Notifies staff via text, email, or phone when thresholds are exceeded
- Reporting Tools: Generate audit-ready summaries and temperature logs

Advanced systems also offer cloud redundancy, access control, and 21 CFR Part 11 compliance for electronic records.

Factor	What to Look For
Compliance	Meets CDC, AABB, USP, FDA, and Joint Commission standards
Flexibility	Scales across multiple departments or sites
Alerting	24/7 multi-channel alerts with escalation paths
Reporting	Automated logs, secure audit trails, user access tracking
Support	Ongoing service, calibration, and validation assistance
Integration	BMS compatibility, SSO, and API capabilities

The Role of Validation

Refrigerators and freezers used for patient materials must be validated, proven to perform reliably under real-world conditions. Validation typically includes:

- IQ (Installation Qualification) – Confirms correct setup
- OQ (Operational Qualification) – Verifies proper function
- PQ (Performance Qualification) – Demonstrates consistency in daily use

Validation is required when new units are installed, relocated, repaired, or repurposed and as part of annual requalification and temperature mapping.

Choosing the Right System

When evaluating a monitoring system, look for solutions that provide:

- Continuous, validated data
- Remote alerts and audit-ready reporting
- Easy integration with existing hospital systems
- Scalable design for multiple departments or sites

Where Rees Scientific Can Help

Hospitals worldwide trust Rees Monitoring Systems to protect their most critical storage, from blood banks and pharmacies to ORs and labs. We offer:

- 24/7/365 technical support
- Comprehensive validation and calibration services
- Systems designed to meet regulatory standards

Accurate temperature monitoring isn't just about compliance, it's about safeguarding patient care. Whether you're managing a single refrigerator or a facility-wide network, validated monitoring gives your team the visibility and confidence needed to keep operations compliant and efficient.

JOIN THE REES TEAM

Want to be a part of the Rees team? Visit our website to submit your resume for one of our open positions. We look forward to working with you!

- Full Stack Developer
- Firmware Engineer
- Software Test Engineer
- Calibration Specialist
- Field Service Technician II

JOIN US

WELCOME TO THE REES COMMUNITY

Rees is proud to have partnered with both new and recently expanded customers in 2025 Q3, we look forward to supporting you!

Bristol Myers Squibb

LDO

Los Angeles Crime Laboratory Forensic Science Center

EUREKA THERAPEUTICS

Vandenberg AFB

carolina molecular

CovarsaDx Advancing Clinical Research

GEMMABio

Medical Education & Training Campus Fort Sam Houston, TX

Northwestern Medicine

Kishwaukee Hospital Pharmacy

Northwestern Medicine

Delnor Pharmacy

Northwestern Medicine

Delnor Hospital

Northwestern Medicine

Kishwaukee Labsy

Northwestern Medicine

Rube Walker Blood Center

American Red Cross

Farmington, CT

NEW HORIZON MEDICAL SOLUTIONS

eurofins | Environment Testing

Galápagos

Pioneering for patients

ppd

Sweden

A NEW ERA OF CLIA OVERSIGHT

In 2025, the Centers for Medicare & Medicaid Services (CMS) released the first major updates to the Clinical Laboratory Improvement Amendments (CLIA) in decades. These changes mark a new phase of compliance for clinical laboratories across the country.

While these updates don't directly target vendors, they raise the bar for laboratories, tightening expectations around staffing, proficiency testing, and regulatory communication. For many labs, this marks a fundamental reset in how compliance is managed day to day.

What's Changing

1. Digital-Only Communication

CMS will now communicate exclusively through electronic channels. Labs must ensure contact information is current and monitored to avoid missing critical updates.

2. Updated Personnel Qualifications

Certain degrees and "board-eligible only" statuses no longer meet CLIA standards. Labs may need to revise job descriptions and confirm staff credentials are fully compliant.

3. Stricter Proficiency Testing

Expanded analyte lists and tighter standards mean labs must review PT programs to ensure alignment with the new criteria.

4. Announced Audits

CAP and other accrediting bodies can now provide up to 14 days' notice before inspections, requiring labs to maintain continuous audit readiness.

Who Will Feel It Most

- **Hospital and health-system labs:** Tighter personnel rules and coordination across multi-site operations.
- **High-volume reference labs:** Added analytes increase documentation and QA demands.
- **Fertility and IVF labs:** Heightened traceability and audit readiness expectations.
- **Academic and research hospitals:** Complex staffing models require careful records management.
- **Blood and tissue banking labs:** Continuous documentation remains under close scrutiny.

Why Monitoring Matters More Than Ever

While CLIA doesn't directly regulate environmental monitoring systems, these updates reinforce the importance of validated, traceable, and automated monitoring. Labs can't afford downtime, gaps in documentation, or manual record errors during an inspection.

A validated Environmental Monitoring System (EMS) helps laboratories:

- Maintain audit-ready records aligned with CAP and CLIA expectations
- Free up staff time through automated data logging
- Reduce compliance risk with continuous monitoring and alarms
- Support proficiency testing programs with stable, documented conditions

Where Rees Supports Your Readiness

For more than 40 years, Rees Scientific has partnered with clinical and research labs to safeguard testing integrity. Our monitoring systems are:

- Validated and audit-ready
- Supported by calibration, validation, and preventative maintenance services
- Backed by 24/7/365 expert suppor, the largest service force in the industry

As CLIA standards evolve, we're here to help your lab stay inspection-ready with confidence.

KEY DATES

December
08-10

ASHP Midyear
Las Vegas, NV

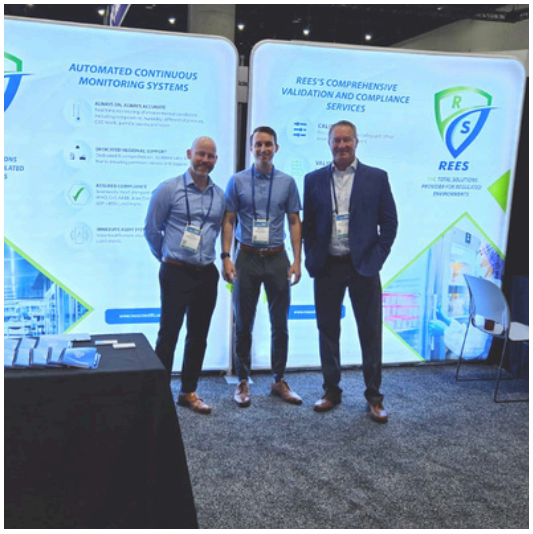
★★★★★

HAPPY WITH OUR SERVICES?

Let Us Know

SOCIAL MEDIA MOMENT

rees_scientific



We're San Diego bound for #AABB2025!
Come by Booth 1812 to see how Rees Scientific helps blood and tissue centers stay audit-ready, compliant, and confident, every day.
#AABB #Rees #EnvironmentalMonitoring

New Additions to Our Sales Team

We're pleased to welcome several new team members to our growing Sales organization. Each brings valuable experience and a strong commitment to supporting our customers.

Sales Representative	Territory	Email
Jennifer Barczak	DC, MD, VA, WV	jbarczak@reesscientific.com
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