

Supporting a Major University's Campus-Wide Energy Infrastructure with Specialized, Ongoing Calibration Services

Large institutions with complex infrastructure face unique calibration challenges—especially when utilities span hundreds of buildings and fall under strict regulatory oversight. ICS partnered with a major university to deliver mobile, industry-specific calibration services across its campus-wide steam and chilled water systems.



The Challenge

The university operates an extensive energy distribution network, including **steam and chilled water meters** serving:

- Academic buildings
- Residence halls
- Hospitals
- Event centers
- Surrounding campus- controlled facilities

These meters are critical for:

- 1 Energy monitoring and cost allocation
- 2 Operational efficiency
- 3 Regulatory and governmental compliance

The challenge was not a single calibration task—but managing **hundreds of instruments spread across dozens of buildings**, each requiring periodic verification without disrupting campus operations.

The Opportunity

The university needed a calibration partner that could:

Work within an active campus environment

Provide **mobile, on-site calibration** across multiple locations

Meet regulatory expectations tied to government oversight

Maintain consistency and documentation across a massive scope

Serve as a long-term partner rather than a one-time vendor





The Solution

ICS delivered a **customized, campus-wide calibration program** designed around the university's infrastructure and operational realities.

Key elements included:

- Mobile calibration services performed directly in buildings across campus and surrounding areas
- Calibration of steam and chilled water meters critical to energy distribution
- Coordination with university facilities teams to access buildings efficiently
- A structured, ongoing schedule rather than a single disruptive project
- Consistent documentation and traceability aligned with regulatory expectations

Rather than attempting to complete all calibrations at once, ICS implemented a **phased, recurring approach**, returning regularly throughout the year to ensure meters remained compliant without overwhelming campus operations.

Benefits

- ✓ Minimized disruption to campus and hospital operations
- ✓ Ensured consistent compliance across hundreds of meters
- ✓ Simplified management of a large, distributed calibration scope
- ✓ Provided dependable, repeatable service year after year
- ✓ Established a trusted long-term partnership

Results

- Successful calibration of steam and chilled water meters across the entire campus footprint
- Improved confidence in energy measurement accuracy and compliance
- Reduced administrative burden on university facilities staff
- An ongoing partnership supported by a multi-year service agreement
- A scalable calibration model that continues to support the university's evolving infrastructure

Have a question or would like to learn more about our products or services?

Pittsburgh, PA Branch 724-846-0136
Dayton, OH Branch 937-836-0064