

CONFIDENCE IN EVERY DEGREE. TEMPERATURE MAPPING BUILT FOR INSPECTION READINESS



PROGRAM-BASED APPROACH

Temperature mapping designed for consistency across sites, assets, and requalification cycles.



ENGINEERING-LED EXECUTION

- Sensor placement rationale
- Airflow and heat transfer understanding
- Practical deviation resolution
- Actionable recommendations, not just plots



Built for **Consistency** Across Every Study

Temperature mapping is a regulatory requirement, but achieving reliable, defensible results requires more than data collection. Studies must demonstrate consistency, traceability, and alignment with evolving regulatory expectations.

Performance Validation (PV) delivers temperature mapping services designed to support accurate execution, consistent documentation, and inspection readiness, whether for a single study or across a broader mapping program.

GLOBAL PROJECT SUPPORT

ACROSS REGULATED
ENVIRONMENTS

PROGRAM MANAGEMENT EXPERIENCE

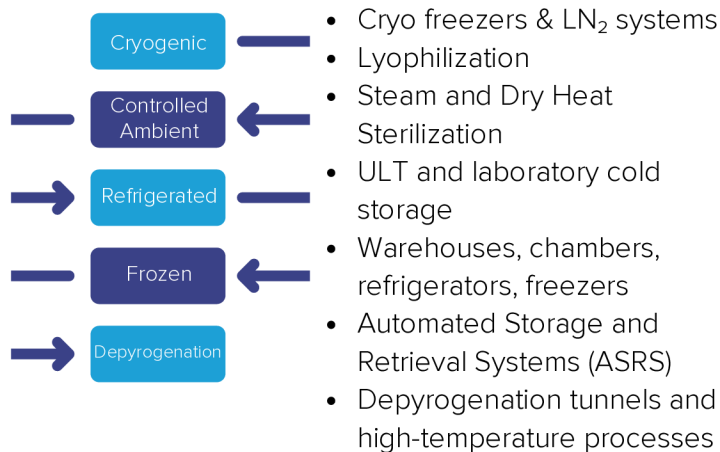
SCALABLE MAPPING
APPROACHES

DIGITAL-FIRST EXECUTION

STANDARDIZED,
TRACEABLE DATA

One Partner across the **Entire Thermal Lifecycle**

EXPERIENCE ACROSS CONTROLLED ENVIRONMENTS



DIGITAL EXECUTION

PV utilizes digital tools to support consistent execution, traceability, and data integrity across temperature mapping studies.

- Digital protocols and field execution
- Electronic data capture with full traceability
- Standardized data analysis and reporting
- Documentation aligned with regulatory expectations

Reduces errors, accelerates reporting, and ensures audit-ready documentation

WHERE WE WORK

- Pharmaceutical & biotech manufacturing
- 3PLs and distribution centers
- Clinical supply & stability storage
- Medical device operations

REGULATORY & QUALITY ALIGNMENT

- Designed to align with FDA, EU GMP, WHO, and USP expectations
- Risk-based approaches aligned with ICH Q9 principles
- Documentation built for audits—not just reports

WHY PERFORMANCE VALIDATION?

Temperature mapping requires more than data collection. PV applies engineering knowledge and practical experience to support appropriate study design and reliable data interpretation.

- Sensor placement based on system understanding and study objectives
- Support for deviation investigation and resolution
- Clear, structured reporting of results
- Recommendations aligned with operational needs



FLEXIBLE DELIVERY OPTIONS

- Full-service mapping programs
- Turnkey project execution
- Equipment rental support
- Selection of tools and platforms based on application needs

RAPID DEPLOYMENT

Supported by one of the largest inventories of calibrated data loggers, PV delivers fast mobilization and efficient study execution across diverse environments.

We map based on application needs—not product limitations.

Turn temperature mapping into a structured, scalable advantage. Let's talk.



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