



**THERMO  
SYSTEMS**

# Full-Service Automation & Information Partner



Thermo Systems is a global, full-service control systems integration partner, providing world-class automation solutions.

## ABOUT US

Thermo Systems excels at managing and delivering turnkey projects to our EPC & AE partners while also specializing in customized direct-to-owner solutions. We focus on industries where we can offer unmatched domain knowledge to deliver the best possible services and technologies for your needs. By investing in our people, we provide a project team with the skill and expertise to overcome your biggest industrial automation and information challenges.

Thermo Systems remains on the forefront of automation and information trends, providing industry-leading expertise in the District Energy, Life Sciences, Mission Critical, and Power Generation markets. We are committed to serving our customers locally in each of these markets, placing offices globally in areas where these industries need us most.

Thermo is constantly expanding, both technologically and geographically, to better serve and support our clients. From our growing number of office locations, Thermo Systems designs and deploys automation projects throughout North America and Europe.



# THERMO SYSTEMS

INDUSTRIAL AUTOMATION & INFORMATION

## CAPABILITIES SUMMARY

### DESIGN

Our unique level of detailed hardware, software, and systems level design is what distinguishes Thermo Systems. By dedicating special attention to the design and development phase up front, we can ensure our customers a smooth and timely commissioning effort.

Typical design deliverables include:

- Automation Architecture Drawings
- Software Design Specification
- Hardware Design Specification
- Computer Systems Design Specification
- Panel Production Drawings
- Instrumentation Loop Drawings and Termination Details
- Instrumentation Wiring/Tubing Risers and Schedules

### CONSTRUCTION

Thermo Systems constructs custom automation applications for installation around the globe. Thermo Systems provides turnkey delivery of a complete automation and information package including instrumentation, automated valves, and custom PLC and HMI panels.

### INSTALLATION

At Thermo Systems, "turnkey" means providing a single source of responsibility. We are construction experts and will manage the complete electrical and mechanical installation of our clients' automation projects. The Thermo Systems engineering teams work side by side with our installation partners around the globe to ensure a quality installation and smooth commissioning effort.

### VALIDATION

The Thermo Systems engineering model is based on the current Good Automated Manufacturing Practice (GAMP) standards for automation systems in GMP environments. We design all our systems with document traceability in mind. Thermo Systems provides automation validation services for any project we install and even those installed by others.

### SERVICE & SUPPORT

Thermo Systems provides Life Cycle services and support for automation customers throughout the world. We offer 24/7 remote and on-site service, annual automation maintenance and backups, calibration services, and system upgrades. Thermo Systems provides automation services and plant operations support for all of our installations as well as for existing installations completed by others.

### ENGINEERING SERVICES

As automation design experts, we offer engineering design services to our clients as well as other mechanical and electrical engineering firms. We are pleased to also offer a variety of automation and instrumentation design services to your mechanical or electrical design team.

Automation engineering services deliverables include:

- Site Surveys and Feasibility Studies
- User Requirements Specifications
- Functional Requirements Specifications
- P&IDs
- Automation System Architecture
- Automation Specifications
- Instrument Data Sheets
- Instrumentation Location Drawings
- Automation Contractor Scope of Work

To arrange a free consultation, schedule a plant tour, or receive a list of references, give us a call at **609.371.3300** or email [sales@thermosystems.com](mailto:sales@thermosystems.com).