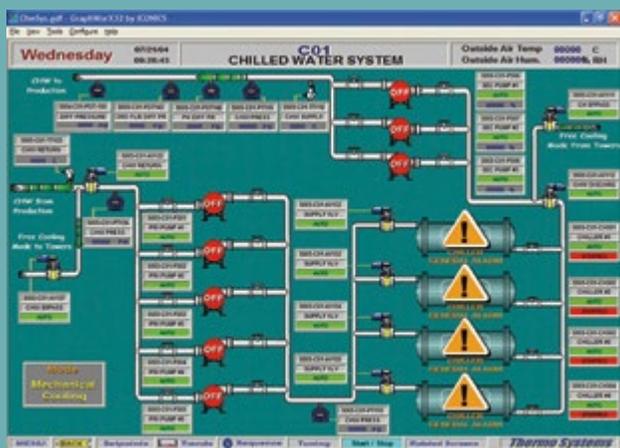




## Thermo Systems East Windsor, NJ



Thermo Systems Applications Include  
Validated Pharmaceutical HVAC Systems



A Thermo Systems Water Chiller Screen

*“Thermo Systems selected the ICONICS GEN-ESIS32 suite based on its proven track record in mission-critical control system applications, including FDA 21 CFR Part 11 compliance. Our customers are able to more easily expand their control systems due to ICONICS’ non-proprietary, flexible, OPC-based solutions.”*

**David Musto**  
Principal  
Thermo Systems

### About Thermo Systems

Thermo Systems is a leader in the design and installation of mission critical PLC-based control systems with particular expertise in the automation of validated pharmaceutical HVAC systems, utility systems, and validated manufacturing applications. Thermo Systems is based in East Windsor, NJ with a branch office in Duquesne, PA and services customers throughout North America and overseas.

### ICONICS Software Deployed

Thermo Systems has implemented ICONICS’ GEN-ESIS32™ (GraphWorX™32, TrendWorX™32, and AlarmWorX™32) as the software solution for a variety of control systems applications including the automation of pharmaceutical HVAC, industrial chiller

plants, pharmaceutical manufacturing, hospital lab controls, and HVAC, as well as biopharmaceutical and aerospace facilities.

### Key Features

- Thermo Systems recommends ICONICS GEN-ESIS32 to customers who require a cost-effective software solution with a wide range of programs and features.
- Thermo Systems engineers and customers value the user-friendliness of GraphWorX32 and the relative ease with which users can add points and develop graphics as well as alias and popup files.
- Thermo Systems deploys ICONICS ReportWorX to provide customers the easy-to-use, full-featured custom data reports.

- The ICONICS WebHMI™ solution has been deployed in many applications as a secure way to provide Internet and Intranet connectivity for several Thermo customers.

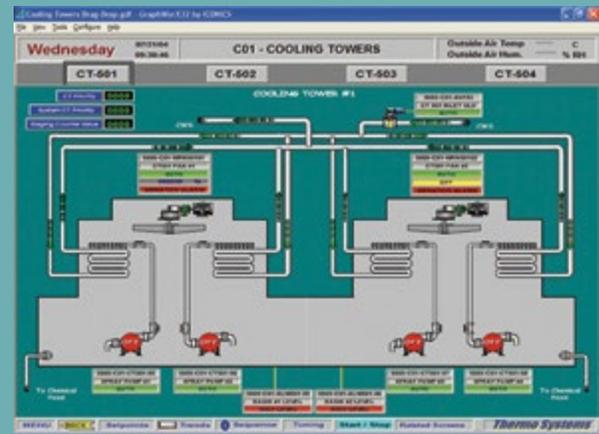
With over 20 years of controls engineering experience, Thermo Systems has been a leader in the design and installation of mission critical control systems. Thermo Systems utilizes the latest technology from manufacturers such as ICONICS and has a focus on interoperability using the OPC standard. Thermo Systems designs open architecture systems that ensure end user flexibility in expansion.

- Applications that are designed for the FDA 21 CFR Part 11 regulation

The controls market has changed over the past few years creating an ever growing demand for open, standardized and reliable software systems. After researching other software tools on the market, Thermo Systems selected ICONICS' GENESIS32. This OPC-based software provides a non-proprietary, graphical front-end solution with unparalleled integration and a proven guaranteed migration path. ICONICS' GENESIS32 has met and exceeded all of Thermo Systems' graphical software requirements.



Switch Control Screen



Cooling Tower Management/Control Screen

**Benefits of the System**

GENESIS32 makes it easy to create applications that comply with the latest FDA regulations. Audit trails, enforced logins and restricted security access are integrated into every GENESIS32 software system. Customers who are deploying GENESIS32 in an FDA 21 CFR Part 11 application will enjoy these benefits:

- Maximum security with integrated biometrics
- Operational accountability through sequence checking
- Accurate audit trail information of who did what, when, where, and why

**Conclusion**

ICONICS works closely with Thermo Systems on projects to assure a successful ICONICS' GENESIS32 deployment. Thermo Systems participates in ICONICS' SupportWorX™ maintenance program to keep their software updated and for access to ICONICS' technical support personnel, as needed.

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