

# Life Cycle Services Audits

**Tracer**

Chemelex's dedicated team of Tracer Field Support Service Experts offer a comprehensive Heat Management System (HMS) audit program to deliver proactive insights and analysis, reduce downtime and minimize costly unplanned repairs. We take a systematic approach to analyze all the elements of your HMS installation to identify any failed components or HMS vulnerabilities. Based on our findings, we propose preventative measures to repair or replace vulnerable elements before they lead to costly shutdowns.

To summarize, our program lowers your lifetime maintenance costs, increases up-time, and minimizes unplanned process interruptions.

## WHY AUDIT YOUR HEAT MANAGEMENT SYSTEM

The primary purpose of an HMS audit is to determine the overall condition of the system, including:

- Regulatory compliance and system safety
- Risk mitigation
- Long-term maintenance planning insights
- System retrofit and upgrade requirements
- Energy efficiency and system performance enhancements



## HEAT MANAGEMENT SYSTEM AUDIT OFFERINGS

Awareness of the overall health of the HMS allows you to maximize the operation of your facility while minimizing costly unplanned shutdowns and repairs.

- **Level 1** - Occurs at the power and control panel of the HMS and focuses on inspecting and testing the Electrical Heat Tracing (EHT) Panel and branch circuits.
- **Level 2** - Occurs at the EHT Power Box of the HMS and focuses on inspecting and testing the individual EHT circuit.
- **Level 3** - Includes a visual inspection of the insulation system, mostly focused on the most critical system components.
- **Level 4** - Focuses on validating the heat tracing in the field against the design criteria and as-built situation.



## POST AUDIT DELIVERABLES & SERVICES

Chemelex has created a standard approach to performing and documenting system audits. We test under safe and defined processes to maximize data collection and inspection efficiency and record and communicate the results with digital forms and a comprehensive audit summary report to maximize the accuracy and efficiency of communicating recommended follow-up activities.

Chemelex offers a suite of additional services to assist you after the completion of the HMS audit including:

- Clear guidance on critical and longer-term maintenance or replacement requirements through a detailed audit summary report supported by audit level specific forms.
- Access to a team of dedicated design engineering personnel and exclusive software solutions.
- Assistance for recommended repairs/replacement, turnarounds, and/or other system maintenance needs.
- Recommendations for spare parts to ensure your site operates safely and efficiently.
- Access to support staff to answer questions and troubleshoot potential EHT specific issues.



## THE DIFFERENCE WITH CHEMELEX

A properly operating heating system is essential to maintain the safe and continuous operation of your site, therefore Chemelex is focused on providing system performance insights as quickly and accurately as possible.

- Chemelex field and engineering personnel are the experts in EHT products, systems and designs.
- Audit inspection forms are built around 40 years of inspecting and auditing temperature critical applications and structured to allow you to prioritize the critical issues and identify the routine requirements to maximize operational uptime and reduce unplanned interruptions.
- The utilization of digital forms allows you to make better decisions with better field data, reduce costs by capturing complex field work insights on the 1st visit and to scale with confidence with an integrated solution.
- Chemelex has access to world class EHT design solutions, including Raychem TracerLynx & TraceCalc Pro which streamline the replacement or retrofit of system offerings.



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excellence is everything

**Raychem Tracer Pyrotenax Nuheat**