



Thermon's Heat Trace System Audit is a comprehensive assessment to ensure system reliability. This detailed analysis is an essential maintenance tool that provides an opportunity to address heat trace issues and prevent costly downtime.

# HEAT TRACE SYSTEM AUDIT



## Industries Include:

- Power
- Chemical
- Oil and Gas
- Petrochemical
- Waste Water Treatment
- Pulp and Paper
- Pharmaceuticals
- Offshore Maritime
- Renewables
- Mining



## BENEFITS:

- Over 60 years leading the heat tracing industry
- Preventive maintenance to avoid unexpected system outage
- System optimization to increase ROI
- Updated documentation to reflect current field as-built status
- Spare parts management
- Personnel Training



# HEAT TRACE SYSTEM CHECKLIST

Thermon's Heat Trace Audit Report for your system will include:

- Detailed observations and test results
- Photographs of potential issues
- Existing and potential risk factors
- Budget estimate to repair the heat tracing system
- Recommendations to improve performance
- Proactive maintenance procedures for optimization

## TESTS PERFORMED FOR AUDIT:



### Insulation Resistance (IR) Test

*Ensures electrical resistance integrity on heat tracing circuits*



### Heat Trace Panel Analysis

*Verifies control panel programming and terminations to ensure proper functioning*



### Power Operational Test

*Electrical voltage, current and fault check on heating circuits*

### Other Assessments

- Pre-Insulated tube bundle inspection
- Thermal Insulation inspection
- Heat Trace system installation inspection
- Heated enclosure inspection
- Temperature controller/thermostat test
- Electrical wire connection inspection
- Conduit distribution system and fittings
- Heat Trace Safety check



Pipe / Vessel Heating

Instrument Heating

Control / Communications