

STEAM TRAP SURVEYS

Turn hidden steam losses into clear, prioritised action.

Hidden steam losses, rising energy costs and ageing assets make it difficult to know where to act first. In unmanaged steam systems, 15–30% of traps typically leak, wasting up to 20% of steam and driving unnecessary cost, carbon emissions and risk across a site.

A Spirax Sarco steam trap survey combines on-site engineering expertise with structured digital insight to show exactly where energy, cost and carbon are being lost – and what to do about it. By turning condition data into clear priorities, it supports informed maintenance decisions, measurable savings and long term steam system optimisation.

WHY VISIBILITY MATTERS

When steam trap failures go unnoticed, losses escalate quietly and continuously. A survey provides a clear snapshot of steam system condition and performance at a point in time, helping you:

- Reveal avoidable steam, energy and carbon losses.
- Identify failed traps before they cause downtime or safety risks.
- Focus maintenance effort where it delivers the greatest return.
- Build confidence in maintenance planning and investment decisions.

Clear insight makes it easier to move from reactive fixes to a more controlled, performance led approach to steam management.

WHAT A STEAM TRAP SURVEY DELIVERS

Each survey combines an expert on-site assessment with structured data capture and analysis.

You receive:

- A comprehensive assessment of your steam trap population.
- Quantification of steam, energy, cost and CO₂ impact.
- Digital data capture for consistent, repeatable insight.
- Clear reporting that links technical findings to business impact.
- Prioritised maintenance actions that reduce losses and prevent failures.

This turns condition data into practical, decision ready insight, not just a list of faults.



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WHAT IT MEANS FOR YOU

A steam trap survey helps deliver measurable improvements across efficiency, reliability and sustainability.

The results include:

- Reduced energy costs through elimination of avoidable steam loss.
- Improved reliability and reduced unplanned downtime.
- Enhanced safety and compliance through early risk identification.
- Greater confidence when planning maintenance and upgrades.
- Clear progress toward sustainability and long term steam system optimisation.

By linking findings directly to outcomes, surveys support smarter decisions today and stronger performance over time.

ENHANCING STEAM SYSTEM PERFORMANCE

Survey insights highlight where targeted enhancements can deliver meaningful improvements without adding complexity. Depending on your system, this may include:

- **STS17.2** quick-fit trap stations to improve maintainability and reduce downtime.
- **Insulation jackets** to reduce surface heat losses and deliver immediate energy and carbon savings.
- **Wireless Steam Trap Monitoring (WSTM)** to extend visibility between surveys and identify emerging failures early – an annual monitoring and service approach that combines continuous visibility and peace of mind with proactive engineering support.

Linking survey insight to these enhancements supports a shift from reactive maintenance to a more proactive, cost effective approach.

FROM SURVEY INSIGHT TO LONG TERM OPTIMISATION

Steam system optimisation is achieved through insight, visibility and engineering expertise, not one off interventions.

A structured approach includes:

1. **Steam trap survey** – a point in time snapshot of system condition.
2. **Wireless monitoring** – continuous visibility between surveys.
3. **Access to local engineering specialists** – combining data insights with real-world experience to guide decision-making and drive targeted system improvements.

Together, this delivers sustained efficiency, reliability and control across the steam system.

START WITH A STEAM TRAP SURVEY:

Discover what steam losses are really costing you – and where action will deliver the greatest return.

Work with your local Spirax Sarco experts to uncover hidden losses, reduce risk and build a clear roadmap for steam system optimisation.

Visit www.spiraxsarco.com

Your journey to smarter steam energy performance starts today.

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