



STEAM MANAGEMENT SOLUTIONS

TRAP SURVEYS • SYSTEM AUDITS & RECOMMENDATIONS

everestautomation.com 

EFFECTIVE MANAGEMENT

Steam distribution systems deliver important thermal or mechanical energy throughout industrial and commercial installations. The use of steam traps play a vital role in maintaining system efficiencies. They also present a major opportunity for cost reductions, improved safety and overall system performance.

Your steam and condensate systems require routine inspections to realize optimum performance. Without effective monitoring practices such as regularly scheduled steam trap surveys, your steam and condensate systems are susceptible to greater inefficiencies. This can lead to high energy costs, increased maintenance, poor system performance and safety concerns.

REALIZABLE BENEFITS

Proper surveillance and maintenance of steam and condensate systems generate significant economic and operational benefits, including:

- Health and safety improvements for plant personnel
- Reduced maintenance costs
- Increased throughput and Improved production quality
- Increased life of piping and equipment
- Sustainable energy savings
- Reduced carbon emissions
- Lower total cost of ownership





RELIABLE SOLUTIONS

Everest Automation, in conjunction with our global manufacturing and engineering partners, provides in-house expertise and professional on-site services to accurately and reliably analyse complex steam and condensate networks.

Our service team will test, tag and record the results collected from each steam trap surveyed during the audit. A detailed report is then generated listing all traps tested, along with their operational results. Included in the report are comprehensive observations of system improvement opportunities that, when implemented, will reduce waste and improve production.

ENERGY SAVINGS & SUSTAINABILITY

A robust preventative maintenance program will result in a greener, safer and more efficient operation of your business. Decreasing fuel consumption also reduces the carbon footprint of your operation while facilitating compliance to established and future environmental regulations.

Typically, on initial surveys, 15–25% of steam traps are found to be defective. These inefficiencies generate a negative economic impact on your business. The total combined traps that have failed, or are improperly installed, can easily add 10% or more to your energy costs and lead to unnecessary production and safety concerns.

For instance, a trap with a 3/16" orifice operating on a 50 psig steam line, will on average lose approximately \$4,400.00 per year in steam at a cost of \$10 per 1000 lbs generated and cause undesirable condensate return system back pressure. A blocked steam trap will back up condensate, lead to water hammer conditions that could damage equipment, cause lost production and introduce certain dangers to personnel.

Contact Us Today!

Toll Free +1 (877) 630-9290
info@everestautomation.com

Optimise efficiency with intelligent solutions for steam.

Products:

- Steam traps
- Check valves
- Control valves
- Desuperheaters
- Boiler controls and safety
 - Level
 - High/Low level switches
 - Water quality (TDS, etc.)
 - Turbidity
- Dampers & Controls
- Feedwater valves
- Blowdown valves
 - Manual & continuous
 - Surface & bottom
- Severe service valves
- Testing equipment
- Return-temperature control valves
- Condensate & Heat recovery equipment
- Steam & Water analysis systems
- and more...

Services:

Steam Network

- Steam trap surveys
- Steam & condensate system audits
- Technical support
- Recommendations from all analysis work

Combustion for Oil, Gas, or Biomass

- Combustion control & safety
- Boiler Optimisation
- Troubleshooting & maintenance
- Emissions monitoring
 - CEMS - Cyclone separator filtering

Customized Solutions:

- Condensate pots and return units
- Flash vessels
- Steam / Air dryer separators
- Feedwater deaerating
- Sample coolers
- Heat exchangers