

STEAM TRAP HEALTH MONITORING SERVICE



Boost the performance of your steam distribution system

No added work for your staff. No up front capital costs.

With no barriers to automated monitoring, it's full steam ahead

Gain an automated steam health monitoring approach as a monthly fee, not a capital expenditure.

You know how important the integrity of your steam distribution system is to the overall health of your process plant. It's the engine of your operation. And you are well aware that quality, operational costs—and your bottom line—all depend on how efficiently steam reaches its intended use.

But, is the upgrade to an automated steam monitoring approach stalled in the planning stages? Or, are you still using a manual inspection process that only produces annual findings?

While you've been waiting for the capital investment to purchase and install the hardware and software how much of your profits have escaped into the atmosphere?

Stop blowing steam. Start saving now.

Emerson's Steam Trap Health Monitoring Service provides steam trap monitoring hardware and software—plus ongoing professional monitoring—all under one manageable monthly service fee.

LEAVE IT TO US



With the Steam Trap Health Monitoring Service, Emerson™ takes care of everything: set up, installation, continuous monitoring—even steam

trap repairs or replacements will be handled through your service contract. The entire process is completely hands-off for you and your staff.

Emerson provides actionable information, not meaningless data, and solves each problem for you by actually taking the action to get it fixed.

COMPARING SOLUTIONS? START BY CONSIDERING THE SOURCE OF DATA.

Emerson steam system professionals analyze data generated by the Rosemount® 708 Wireless Acoustic Transmitters attached near each of your critical steam traps. Compared to other steam trap monitoring methods, the 708 Wireless acoustic transmitters detect indications of steam trap health and instantly report the failures. The Steam Trap Health Monitoring Service delivers actionable information so that corrective steps can be taken immediately—not in weeks or months as losses mount.



Over
45%
of fuel used by U.S.
manufacturers is used to
generate steam.

World Energy Council, 2013



Create a safer and more cost-efficient production environment

Emerson's Lifecycle Services helps you solve some of your biggest steam system challenges.

- Improve process throughput and product quality by maintaining thermodynamic efficiency more proactively by identifying steam traps that are not removing condensate from the system
- Increase safety and reduce equipment damage by recognizing steam system conditions that could potentially lead to a water hammer—and then quickly correct them before you suffer the consequences
- Reduce energy loss and carbon emissions by pinpointing, and fixing, steam traps that have failed in the open, or blow-through condition and are constantly passing steam
- Ease your personnel challenges, allow Emerson to take over tasks that require specialized industry knowledge

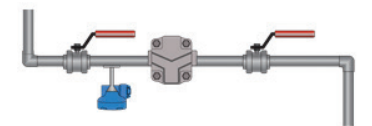
MAKE DECISIONS IN REAL TIME, AND SEE INSTANT RESULTS

If you're relying on annual audits, failed steam traps often go undetected—and unrepaired—for months on end. No wonder manual inspections are on the way out. Emerson's Steam Trap Health Monitoring Service gives you an automated and continuous monitoring solution that assures consistent steam system health, with immediate and ongoing savings.

1. **Nonstop data collection and upload**—Continuous steam trap operating data generated by the Rosemount 708 Wireless Acoustic Transmitters is collected through proprietary software, and transmitted to the Emerson Monitoring Service.
2. **Professional analysis and reporting**—Emerson professionals analyze your data and present reports, on your schedule, identifying failed (and failing) steam traps and recommend appropriate remediation.
3. **Prompt mitigation**—Local service providers are directed to repair or replace the failed steam traps. You will receive a report stating all the recommendations and actions that have been taken, even if you've chosen not to take action.

QUANTIFY YOUR SAVINGS

Do you know how much money in your plant is going up in steam loss?



Each year, 15% of steam traps are expected to fail

Critical steam traps	100
Failures per year	15
Cost per failure	\$5k
Annual savings	\$75k

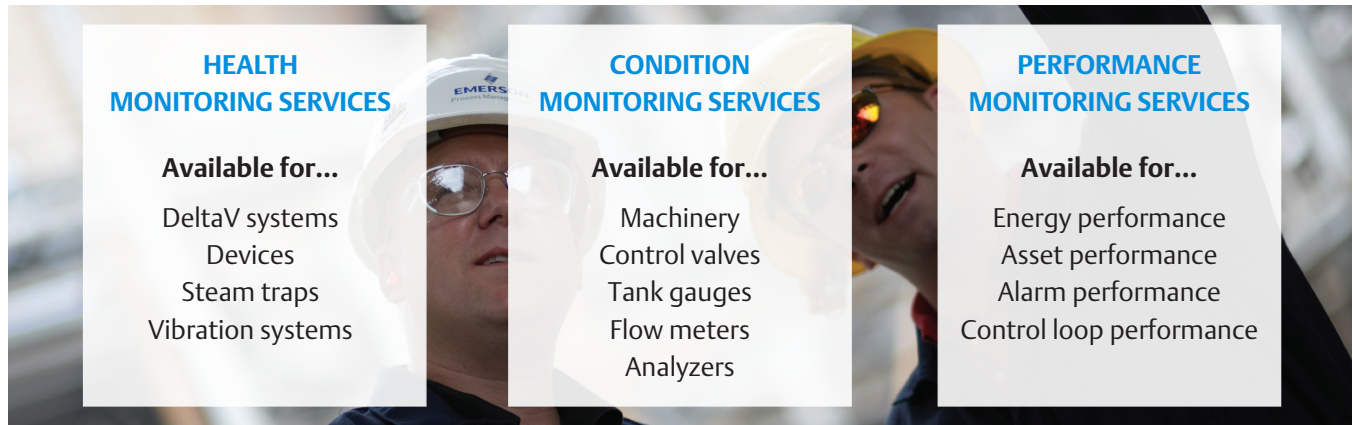
32%
of energy is wasted in a
typical plant.

U.S. Department of Energy, Energy Efficiency and Renewable Energy, December 2004

Emerson™ Performance and Reliability Monitoring

Start building your integrated view of plant performance

Let Emerson's Lifecycle Services introduce expertise throughout your plant. The Steam Trap Health Monitoring Service is part of a broad line of fully-integrated reliability and performance monitoring services, delivered through innovative Emerson Pervasive Sensing™ technologies.



HEALTH MONITORING SERVICES	CONDITION MONITORING SERVICES	PERFORMANCE MONITORING SERVICES
Available for... DeltaV systems Devices Steam traps Vibration systems	Available for... Machinery Control valves Tank gauges Flow meters Analyzers	Available for... Energy performance Asset performance Alarm performance Control loop performance

Contact your local Emerson Service Center to request an onsite walkthrough and service price quote.

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Learn more about Emerson's Lifecycle Services for Rosemount products at www.rosemount.com/lifecycleservices

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When you invest in Rosemount products, you expect a higher level of performance. You can count on factory-trained and certified experts for all diagnostics, field service and repair on Rosemount and other manufacturers' process measurement products. With an expanding network of service capabilities across the world, rest assured we are where you need us—when you need us.

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