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- STEAM TRAPS
- BOILER LEVEL INSTRUMENTATION
- STEAM REGULATORS
- PRESSURE RELIEF VALVES
- BOILER TRIM VALVES
- ISOLATION VALVES
- STEAM RELIABILITY
- DESUPERHEATING
- STEAM CONDITIONING

Steam Solutions

RELIABLE SOLUTIONS FOR ALL AREAS
IN THE STEAM SYSTEM

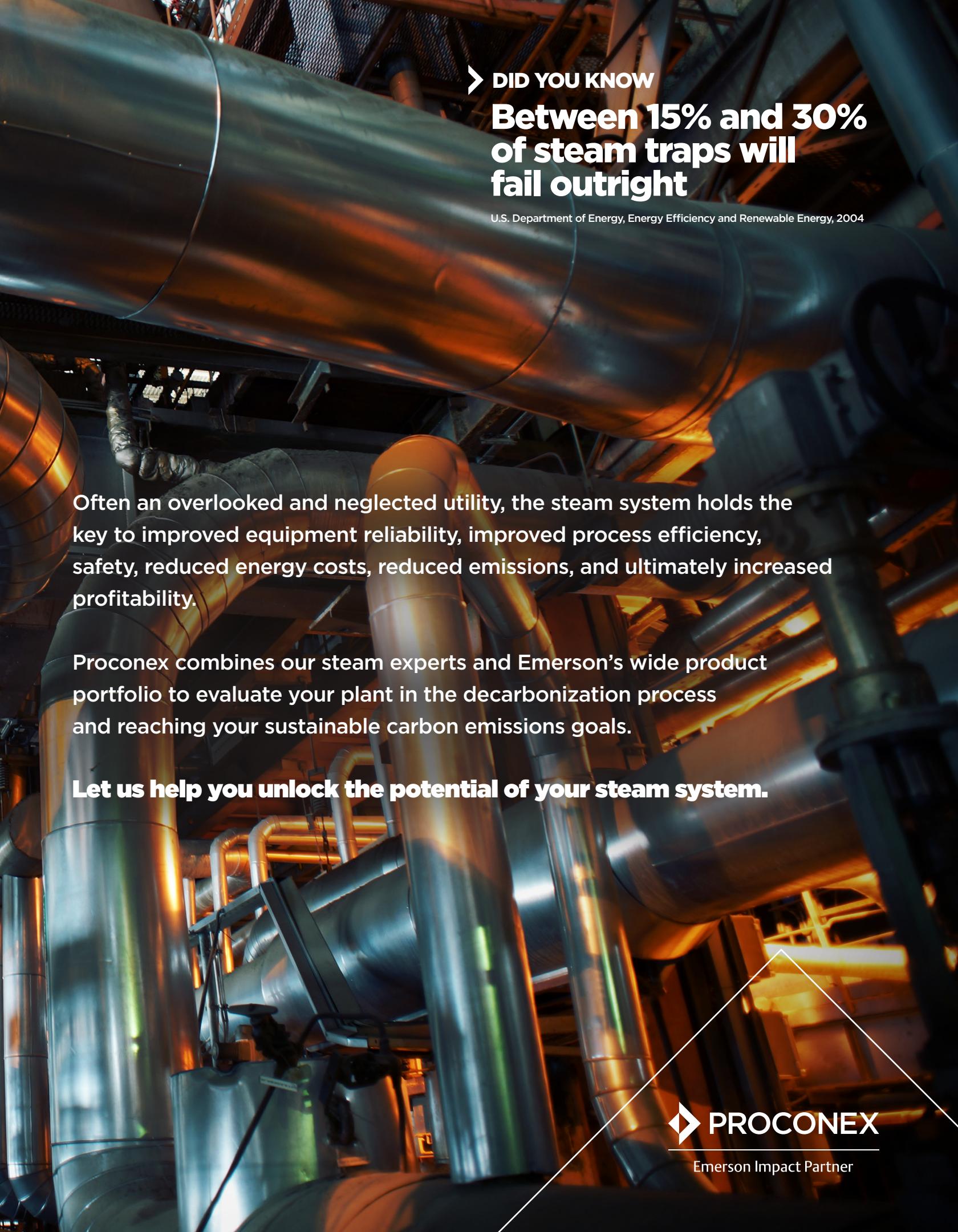


PROCONEX

Emerson Impact Partner



Steam is the lifeblood of your process

The background of the page is a close-up, low-angle shot of a complex industrial steam system. Large, shiny, curved metal pipes dominate the frame, reflecting bright orange and yellow light from an unseen source. The pipes are part of a larger network of valves, fittings, and structural supports, all set against a dark, metallic background.

› DID YOU KNOW

**Between 15% and 30%
of steam traps will
fail outright**

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

Often an overlooked and neglected utility, the steam system holds the key to improved equipment reliability, improved process efficiency, safety, reduced energy costs, reduced emissions, and ultimately increased profitability.

Proconex combines our steam experts and Emerson's wide product portfolio to evaluate your plant in the decarbonization process and reaching your sustainable carbon emissions goals.

Let us help you unlock the potential of your steam system.

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Services that Optimize Operations and Energy Efficiency



SCAN QR CODE
TO SCHEDULE YOUR
STEAM AUDIT TODAY



System Auditing

Steam is the lifeblood of your process. Proconex combines our steam experts, wide product portfolio, local service, and a consultative approach to evaluate your plant. Through our steam audit you can see improved equipment reliability, improved process efficiency, reduced energy costs, reduced emissions, and ultimately increased profitability.

- Entire steam system inspection
- Steam trap testing
- Drip leg designs
- Condensate return lines
- Control valves, regulators, isolation valves, and pressure relief valves
- Leaks in joints, steam piping, and equipment
- Detailed reporting of all findings and recommendations

Steam Trap Monitoring

Unlike manual inspections, steam trap monitoring will allow you to see a holistic view of your steam system through continuously collecting data. This can allow you to analyze the data constantly and keep your steam system functioning efficiently always.

Proconex 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.

- Nonstop data collection and upload
- Professional analysis and reporting
- Prompt mitigation
- Continued process improvement
- Detects leaks and water build up in steam system through steam traps
- Detailed reporting of all findings and recommendations

Pressure Relief Valve Monitoring

Operational inefficiencies lead to product losses and potential increases in fugitive emissions. Through wireless monitoring of pressure relief valves, we can help you detect relief events and leaks that may go unnoticed. Monitoring can also allow for preventative maintenance, keeping facilities running efficiently.

- Regulatory Compliance
- Safety
- Reliability
- Cost Reduction

DID YOU KNOW

32% of energy is wasted in a typical plant

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

Level Gauge Program

The safety and reliability of your boilers, tanks, and vessels level indication equipment are extremely vital to your plant to ensure liquid/steam levels are correct.

- Questtec Solutions Armored Transparent Level Gauges
- Questtec Solutions Armored Reflex Level Gauges
- Questtec Solutions Gauge Valves
- Questtec Solutions Bi Color Ported Level Gauges
- Questtec Solutions Conductivity Probe Systems
- Questtec Solutions GWR Density Solution
- Questtec Solutions Bridle fabrication
- Questtec Solutions Tubular Level Gauges
- Questtec Solutions Armored tubular Level Gauges



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Broad Portfolio of Reliable Steam Solutions



Steam Traps

Yarway™ steam traps have a strong reputation for reliable operation and are suitable for a wide range of applications. Our Yarway steam traps offer in-line repairable solutions for easy replacement. Our experts can conduct steam trap surveys or implement our wireless steam trap monitoring solution to ensure proper steam trap operation and minimize steam loss.

- Yarway Mechanical Steam Traps
- Yarway Thermostatic Steam Traps
- Yarway Thermodynamic Steam Traps
- Yarway Sanitary Steam Traps
- Yarway Wye Strainers



Boiler Level Instrumentation

Various solutions are available that meet the ASME requirements for direct or remote indication of boiler water level. Questtec™ level gauges are available for low, medium and high-pressure applications.

- Questtec Solutions Armored Transparent Level Gauges
- Questtec Solutions Armored Reflex Level Gauge
- Questtec Solutions Gauge Valves
- Questtec Solutions Bi Color Ported Level Gauges
- Questtec Solutions Conductivity Probe Systems
- Questtec Solutions GWR Density Solution
- Questtec Solutions Bridle fabrication
- Questtec Solutions Tubular Level Gauges
- Questtec Solutions Armored tubular Level Gauges



Pressure Reduction

Fisher offers self-operated and pilot-operated regulators for a variety of steam pressure reducing applications. These models can withstand dirty service and high cycle applications while maintaining accuracy and stability over their flow range.

- Fisher Direct Operated Steam Regulators
- Fisher Pilot Operated Steam Regulators
- Fisher Ball Valves
- Fisher Globe Valves
- Fisher Noise Attenuation



Noise Attenuation

The WhisperTube is a passive reactive silencer designed for installation downstream of the control valve or other equipment contributing to system noise.

Requiring negligible pressure drop across the device, the WhisperTube achieves system noise reduction across a wide range of conditions without impacting the flow capacity or process.



Pressure Relief Valves

The Crosby and Anderson Greenwood brands provide high quality and comprehensive overpressure protection for Section I and Section VIII applications. Threaded, conventional, balanced, and pilot operated models are available to handle every application within the steam system.

- Crosby Section 1 Direct Spring Relief Valve
- Crosby Section 8 Direct Spring Relief Valve
- Anderson Greenwood Section 8 Pilot-Operated Relief Valve

Boiler Trim Valves

Yarway valves use special geometries and materials and in-line repair-ability to provide superior performance in the severe service applications of boiler blowdown.

- Yarway Surface Blowdown Valves
- Yarway Bottom Blowdown Valves
- Fisher Surface Blowdown Valves
- Yarway Globe Valves
- KTM Ball Valves
- Vanessa Butterfly Valves and more

Isolation Valves

Isolation valves can withstand heavy use and are extremely durable. They have a robust design, and easily replaceable seal rings. With electric and pneumatic actuation, the valve can be configured to your exact needs.

Steam Conditioning & Desuperheating

Steam conditioning valves control steam pressure and temperature by combining both functions within one integral control unit. These valves address the need for better control of steam conditions brought on by increased energy costs and more rigorous plant operation. Steam conditioning valves also provide better temperature control, improved noise abatement, and require fewer piping and installation restrictions than the equivalent desuperheater.

- Fisher Insertion Desuperheaters
- Fisher Ring Desuperheaters
- Fisher Steam Conditioning Valves



DID YOU KNOW

Plants that assess their steam systems can uncover cost savings of

15%

U.S. Department of Energy, Energy Efficiency and Renewable Energy, 2006

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Start building your integrated view of plant performance

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

Let's find solutions today. Together.



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