

Identify Leaks That Can Impact Production Costs, Efficiency, and Output With Leak Detection Services From Experitec



For Energy-Intensive Power Plants & Municipalities
Looking to Reduce Carbon Intensity & Become More Efficient
—as well as Benefit From a Quick Payoff in Fuel Savings!

Experitec is proud to partner with Leak Detection Services, Inc. to offer a cost-effective solution that will enable you to produce more megawatts of power for fewer BTUs. We take an analytical approach to identify process control losses and make efficiency impact recommendations that can have a significant impact on your fuel costs.



From Our Engineering Study Through Walkdown and Acoustic Testing, Our Process is Designed to Provide a Comprehensive Analysis and Cost Savings



TEST PREPARATION

We start by completing an engineering study to ensure that your unique plant requirements are properly addressed. The study includes a P&ID review, test population evaluation, site-specific database, test plan selection, and heat rate modeling—all to be completed prior to testing.



COMPREHENSIVE REPORTING

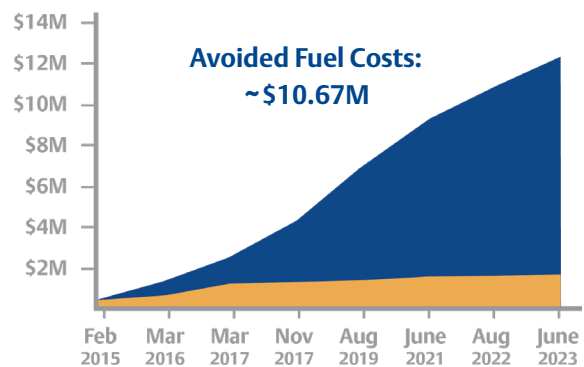
After we review every data capture, result, and associated notes, our team will prepare a comprehensive written report that includes result classification (leaking vs. tight), internal damage assessment, efficiency & fuel cost analysis, repair recommendations, external observations & potential safety concerns, and valve trending & savings analysis.



ON-SITE TESTING

After a kick-off meeting and safety training, we'll conduct a site walkdown to identify valve locations and temporarily remove insulation. Next, we'll place identification tags and photograph each item. Then acoustic testing can begin, taking into account operating conditions, location, accessibility, and criticality. Our acoustic test methods include signature comparison, differential signature, direct comparison and time-sweep signatures. We'll review your data daily to ensure accuracy and gather additional data if needed. Upon test completion, we'll perform an exit meeting and present our preliminary results.

FUEL SAVINGS ANALYSIS



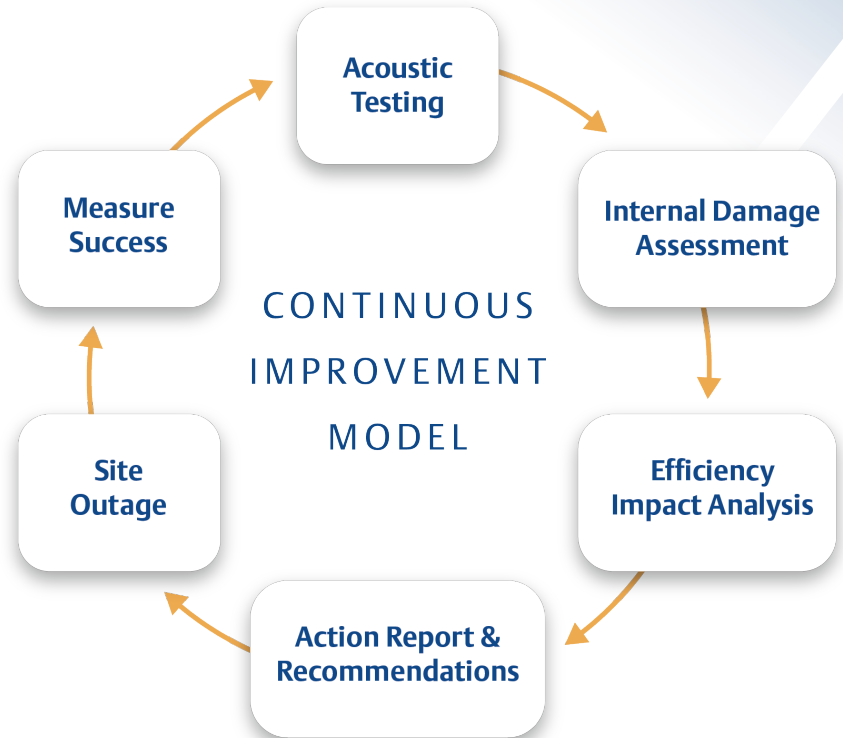
- Projected Loss Without Repair: ~\$12.33M
- Actual Losses With Repairs: ~\$1.66M

Schedule Your Analysis With Our Experts and Realize These Benefits

- Maximize Maintenance Budgets
- Improve Plant Efficiency
- Decrease Emissions
- Increase Production Capacity
- Meet or Exceed Demand Requirements
- Reduce Production Costs

Additional Experitec Services for the Power Industry

- Outage Management
- Leak Detection
- Nozzle Testing
- Instrument Calibration
- PRV Testing/Repair
- Valve Diagnostics/Pre-Scanning
- Electric Actuation (MOVs)



About Leak Detection Services, Inc.

Leak Detection Services, Inc. is a second generation family-owned business focused on lowering heat rate, increasing output, and improving overall power plant efficiency. With roots in the ship and submarine industries where acoustics are critical, they are known for accurately detecting leaking valves while also eliminating crosstalk and background noise. The company has successfully and accurately identified over \$1.5B of potential plant savings.



Every Megawatt Matters

Take your condition-based valve monitoring program to the next level by continuously improving your energy operations.



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