

Leak Management Program

Compressed air is energy and leaks of compressed air are direct sources of energy waste.

Compressed air systems typically lose over 25% of their supply through leaks. Leaks are not only wasted energy, they are also significantly expensive and contribute to increased CO₂ emissions. LeekSeek's[®] Leak Management program provides a sustainable reduction in leaks and energy savings.

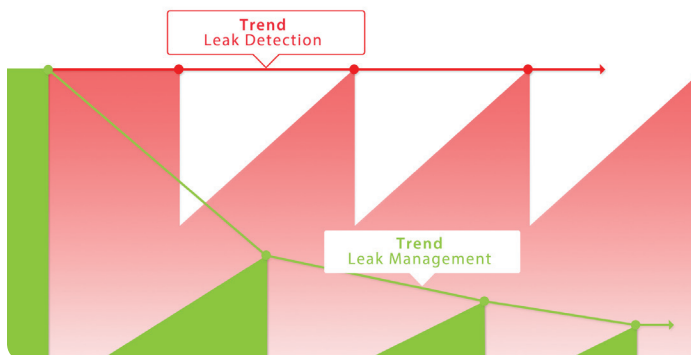
Several independent studies have confirmed that leak detection & repair in compressed air and gas systems is the most cost-effective measure to achieve energy savings. In fact, "Compressed Air Challenge" identifies that 42% of the energy savings potential in compressed air systems is from leak detection and repairs which provides a return on investment in less than 6 months.

Cost of leaks?

Companies frequently underestimate the savings that can be enjoyed by an effective leak management program. Following is an indication of the annual costs associated with leaks.

CFM	hp	10%	20%	30%	40%
350	90	\$ 10,000	\$ 20,000	\$ 30,000	\$ 40,000
700	175	\$ 20,000	\$ 40,000	\$ 60,000	\$ 80,000
1050	260	\$ 30,000	\$ 60,000	\$ 90,000	\$ 120,000
1750	440	\$ 50,000	\$ 100,000	\$ 150,000	\$ 200,000
2650	660	\$ 75,000	\$ 150,000	\$ 225,000	\$ 300,000
3500	875	\$ 100,000	\$ 200,000	\$ 300,000	\$ 400,000

Based on 95 psi mains pressure, 24 hours, 365 days and \$ 0.54 per 1,000 cf.



Leak Detection versus Leak Management?

Traditional leak detection identifies where a leak is so that it may be repaired, but it does not address what is causing leaks in order to reduce the losses from leaks in the future. Leak Management is a system to attain a financially advantageous and sustainable leak level through a systematic program to identify and improve areas of concern.

Leak Detection is only the first step in Leak Management

Leak "detection" is the initial step in managing current and future leaks. Leak detection surveys only locate and "tag" individual leaks. LeekSeek not only locates leaks, but also establishes a system to cost-effectively correct the leaks based on the energy losses as well as the costs of repair.



Intelligent leak repair is the key to Leak Management

Detecting leaks does not save money... Repairing leaks saves money!

However, spending more money to repair a leak, than the energy loss attributed to a leak is not cost-effective. Not all leaks are equal and not all leaks should receive the same priority in repair.

LeekSeek's proprietary online management program provides the information necessary to cost-effectively repair leaks and enhance a system's efficiency.

The web based dashboard allows plant personnel as well as corporate personnel to manage and monitor the leak management program. Documenting actual repairs and projected savings through LeekSeek's system is essential to measuring the success of a leak management program.



Repair progress

LEAKAGE COSTS	%	REPAIR HOURS TOTAL	OPEN	REPAIR STATUS & LEAKAGE COST
€ 25.061	21%	45.8	18.5	82%
€ 17.788	15%	51.3	10.8	72%
€ 16.597	14%	93.8	3.7	96%
€ 12.290	10%	38	4.5	88%



Financial overview

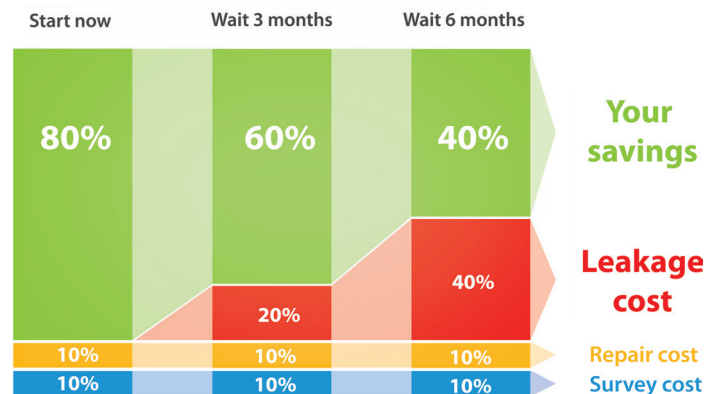
Survey days	Survey 1
Cost of survey	2008-12-08
	22.00
	€ 30.690
Leakage cost and volume	
Number of leakages	940
Leakage volume (m3/min)	24.12
Leakage volume (m3/year)	12.679.285
Leakage cost (€/year)	€ 253.586
CO2 tonnes	851
Repair requirements	
Repair hours	396.5
Costs of repair	€ 19.825
Total cost survey & Repair	€ 50.515
Total costs	
Survey & repair	€ 19.825
Costs of repair	€ 50.515
Percentage of leakage costs	€ 17.075
Payback time (days)	€ 50.555
Improvements from 1st survey	
Number of leakages	19,92%
Leakage volume	73
Leakage cost	€ 50.555
CO2 tonnes	31,35%
	115

Maximize your savings, start now!

It is not uncommon to ignore air leaks since leaks may be viewed as "only air." However, air leaks reduce profitability every minute that a leak continues. The longer that repairs are delayed and that leaks are allowed to continue, the more potential savings will be lost.

Estimate your potential savings online!

Go to www.LeekSeekUSA.com and select "Calculate Your Savings." To calculate a projected cost of leaks as well as the amount of excess CO2 emissions. Contact a LeekSeek representative for a survey and repair quote. The payback period of a LeekSeek® project is frequently 3 months.



Potential Savings Guarantee!

An initial LeekSeek® survey will either identify a savings potential which exceeds the cost of the survey, or LeekSeek will not charge for the survey.

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