

## 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 CO<sub>2</sub> emissions. LeekSeek's<sup>®</sup> Leak Management program provides a sustainable reduction in leaks and energy savings.

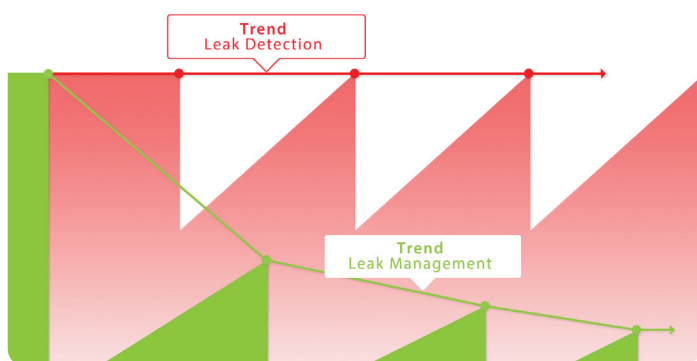
Several independent studies have confirmed that leak detection & repair in compressed air and gas systems is the most cost-effective measure to achieve energy savings. In fact, "Compressed Air Challenge" identifies that 42% of the energy savings potential in compressed air systems is from leak detection 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.

| Consumption<br>m <sup>3</sup> /min | Used energy<br>kWh | Leakage cost / Saving potential per year |           |           |           |
|------------------------------------|--------------------|--|-----------|-----------|-----------|
|                                    |                    | 10%                                      | 20%       | 30%       | 40%       |
| 5                                  | 30                 | € 6.500                                  | € 13.000  | € 19.500  | € 26.000  |
| 10                                 | 55                 | € 13.000                                 | € 26.000  | € 39.000  | € 52.000  |
| 30                                 | 160                | € 39.000                                 | € 78.000  | € 117.000 | € 156.000 |
| 50                                 | 270                | € 65.000                                 | € 130.000 | € 195.000 | € 260.000 |
| 75                                 | 400                | € 99.000                                 | € 198.000 | € 297.000 | € 396.000 |
| 125                                | 700                | € 99.000                                 | € 328.000 | € 492.000 | € 656.000 |
| 175                                | 970                | € 230.000                                | € 460.000 | € 690.000 | € 920.000 |

Based on 7 bar, 24 hours, 365 days and € 0,025 per m<sup>3</sup>



### 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.

Progress & Improvement



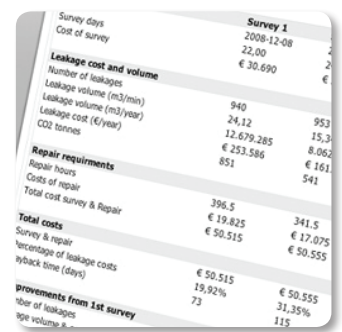
Repair progress



All gasses



Financial overview

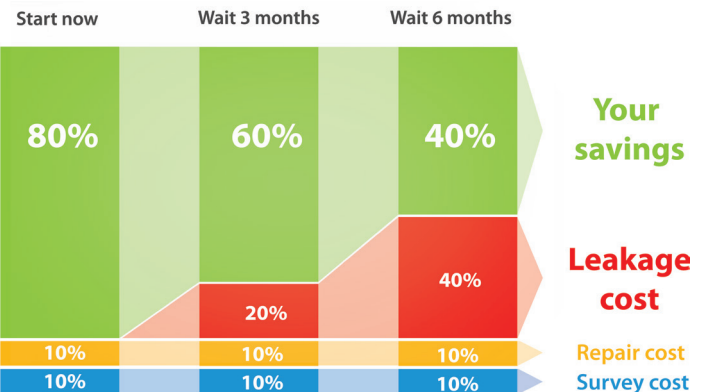


## Maximize your savings, start now!

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.leekseek.eu](http://www.leekseek.eu) and select "Calculate Your Savings." To calculate a projected cost of leaks as well as the amount of excess CO<sub>2</sub> 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.