

SoundSurvey

- **Non-intrusive site survey**
- **Identify costly leaks**
- **Detect potential bearing failure**
- **Unlock savings of £700+/leak/year**
- **Save energy and cut carbon**



QUANTIFIABLE REPORT

Following each survey, a report is produced, which identifies the costs of each problem and the remedial works that need to be undertaken.

**£700+/leak/
year savings**

The Sound Survey identifies:

- Compressed air, pressurised gas or vacuum leaks
- Valves that are not sealing properly
- Steam traps that are working incorrectly
- Bearings that require lubrication
- Bearings that are over lubricated
- Bearings that have failed or are likely to fail shortly

OVERVIEW

Energys Group offers a non-intrusive sound investigation survey of pipework and machinery. Using a digital probe, this service identifies costly problems, including: pressurised gas and compressed air leaks; faulty valves and steam traps; potential bearing failure.

A compressed air leak of just 3mm diameter can cost more than £700 a year in wasted energy, and that figure is generally even greater for gasses (according to advisory body, The Carbon Trust). A Sound Survey can help to unlock energy savings and drive down carbon emissions.

COMPRESSED AIR AND GAS LEAKS

When any gas (such as air, oxygen, nitrogen, etc.) passes through a leak, it will generate a turbulent flow with detectable high frequency components. Energys will scan the pipework (even if it is behind cladding) and find even the smallest leak.

When scanning the area with our sound survey device, the leak can be heard through the headset and/or displayed on the monitor. We can overcome ambient noise with a focusing probe to narrow the instrument's reception field.

BEARING DETECTION

The Sound Survey can also be used to find out if the bearings in machinery are under- or over-lubricated and detect the earliest stage of bearing failure.

This makes it an essential tool for planning preventative maintenance works. Since over-lubricated bearings mean that their life expectancy is reduced, correcting this problem can also reduce machinery costs.

For more information please contact:

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