

# COMPRESSED AIR AUDITS

Reduce Compressed Air Costs

Compressed Air is referred to as the fourth utility in industrial operations. It's one of, if not the largest, energy consumers in your plant. It's widely used in virtually all segments of manufacturing, yet compressed air still remains the most misunderstood utility and a prime area for cost reductions.

## Reduce Compressed Air Costs by **25-50%**

Most companies in their efforts to reduce operating expenses fail to exploit the potential savings associated with managing their compressed air system. **Experts estimate that most users could reduce their costs by 25-50%.**

For many large users this represents **hundreds of thousands of dollars in savings annually.** A plant that implements a compressed air system management program today will both help save the environment and gradually reduce operating costs while improving system performance.

Utility companies often offer rebates covering up to **100% of energy study costs.** Some also provide funding for energy-saving projects, contributing 50% of the project cost or 12 cents for every kilowatt saved for a year.

## The **True Costs** of Compressed Air Systems



### LEAKS

A ¼ inch leak @ 100 psig over a one year 3 shift operation will cost over **\$24,000 per year in energy** @\$0.14/kwh



### PRESSURE LOSS

10 psig pressure loss in a system will require **5% increase in energy** to compensate



### DESIGN

A poorly designed compressed air system can **cost 50% more to operate** than a well-designed and maintained system



### MAINTENANCE

A poorly maintained compressor can consume as much as **15% more in energy** to operate

## Why Consider a **Compressed Air Audit?**

Virtually all manufacturing facilities spend more money operating and maintaining their compressed air system than necessary. The vast majority of these companies also suffer with poor quality compressed air. This is due to many poor practices both past and present. These include, but aren't limited to:

INEFFICIENT EQUIPMENT

POOR SYSTEM DESIGN/LAYOUT

IMPROPER MAINTENANCE

INEFFICIENT CONTROLS

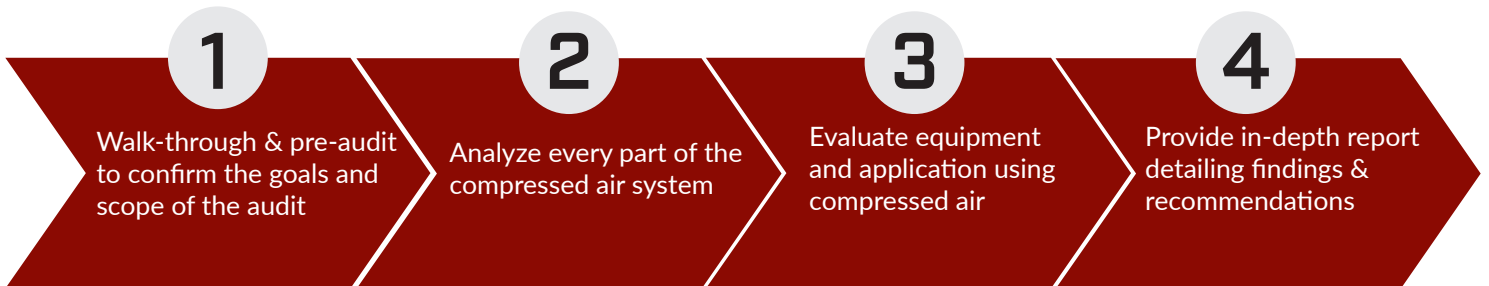
LACK OF USEFUL STORAGE



## Benefits of Compressed Air Audits

- | **Reduce energy costs** associated with compressed air
- | **Stabilize production** and **eliminate inconsistent product quality** by eliminating pressure fluctuations
- | **Eliminate production halts** due to insufficient compressed air
- | **Eliminate** pressure **equipment failure**
- | **Improve the quality** of compressed air

## How We Perform a **Compressed Air Audit**



## Request a **Compressed Air Audit from Lewis Systems**

At Lewis Systems, our seasoned technicians specialize in conducting comprehensive compressed air audits. With precision and expertise, we analyze system efficiency, collecting valuable data to provide actionable recommendations for cost-saving options. Choose Lewis Systems for a partner committed to optimizing your compressed air systems, ensuring seamless and efficient operations for your business.



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