HOW TO IMPROVE

COMPRESSED AIR ENERGY EFFICIENCY

KEY ENERGY STATISTICS

74% OF ENERGY CONSUMED IN AUSTRALIA IS BY INDUSTRY[1]

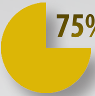
BETWEEN 2007-2012 AUSTRALIA'S RETAIL ELECTRICITY PRICES ROSE BY **72%**[1]

The manufacturing sector accounted for 22% of total net energy consumption in 2012-2013[2]

Once seen as a relatively low fixed price, energy is now becoming an important variable cost that impacts on company's profits.[4]

Electrical power can account for up to **90%** of the total costs of compressed air production[5]

ENERGY COSTS OF A TYPICAL COMPRESSED AIR SYSTEM CAN ACCOUNT FOR ALMOST

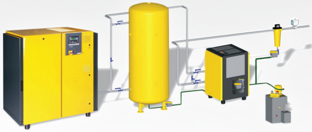


75%[3] OF ITS LIFETIME COSTS!

JUST ONE 2 mm HOLE IN A COMPRESSED AIR SYSTEM COULD BE COSTING **$2,364** PER ANNUM[6]

5 STEPS TO ENERGY EFFICIENCY

Many Existing Compressed Air Users Could Be Hiding An Energy Savings Potential Of 30% Or More![5]



1 USAGE

- Identifying how and where you currently use compressed air could highlight any inappropriate uses which can be quickly eradicated
- Measuring the systems load profile will identify if the compressor is operating efficiently

2 DISTRIBUTION

- You could create significant energy cost savings by identifying, measuring and fixing air leaks
- To make these savings long term, consider incorporating leak detection as part of your on-going maintenance programme

3 STORAGE

- Reviewing the size of your compressed air receiver(s) in line with your existing and future compressed air demands could identify any potential energy inefficiencies

4 TREATMENT

- Different compressed air treatment technologies possess dramatically different energy efficiencies
- Reviewing your compressed air treatment equipment may well unearth energy saving opportunities

5 COMPRESSORS

- Are you using the right compressor technology for your application and compressed air demand?
- Could your existing and future demand for compressed air be more efficiently met by installing an additional compressor or by replacing the existing compressor?

KAESER COMPRESSORS

References:
[1]Australian Bureau of Statistics: 4102.0 - Australian Social Trends, September 2012
[2]Australian Government Bureau of Resources and Energy Economics: 2014 Australian Energy Update, July 2014
[3]Sustainability Victoria: Energy Efficiency Best Practice Guide Compressed Air Systems, 2009
[4]Climate Works Australia: Energy Management And Company Competitiveness, October 2014
[5]KAESER Compressors: Analysis Reveals Potential
[6]Example based on a compressor running 24/7 and electricity cost 15 cents/kW/hr