



## HOW GREEN IS YOUR PLANT?

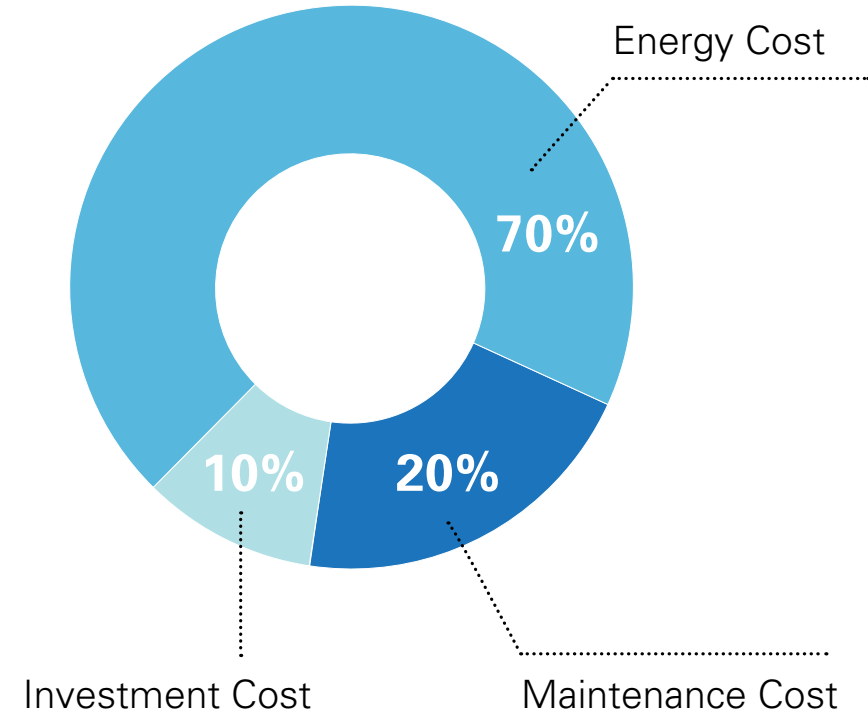
Energy Saving Solutions

Atlas Copco

## DID YOU KNOW?

**Up to 70% of the life cycle cost of a typical air compressor installation goes into energy consumption. And do you know how your compressed air installation relates to that average?**

Through the detection of leakages, the measurement of useful flow, power consumption, band settings and air quality,... Atlas Copco energy consultants rate the energy efficiency of your installation. They reveal the improvements you can make and indicate the money these could bring. Atlas Copco not only tells you how green your plant actually is but demonstrates how green it could be.



*Compressed air is one of the most important utilities for the industry. It is also one of the largest consumers of energy. Therefore, any savings made in compressed air systems have a significant impact on costs and on the environment.*

Atlas Copco's approach focuses on reducing the overall energy bill, which means that we look through your compressed air installation, from compressed air generation to the distribution network and demand. We pinpoint the areas where potential savings can be made. We then advise the appropriate actions to optimize the situation. Improving the energy efficiency of a compressed air installation can save a lot of money.

**70%**  
OF THE TOTAL LIFE CYCLE COST OF A COMPRESSOR IS SPENT ON ENERGY

**20%**  
OF THE ENERGY PERFORMANCE OF OLD COMPRESSED AIR INSTALLATIONS ARE LOST THROUGH LEAKAGES

**25%**  
OF THE NOMINAL ENERGY IS CONSUMED BY COMPRESSORS RUNNING UNLOADED

**90%**  
OF THE HEAT GENERATED BY A COMPRESSOR CAN BE RECOVERED AND REUSED

**10%**  
ENERGY COST REDUCTION THROUGH BETTER CONTROL OF YOUR PRESSURE BAND



# MINIMIZE YOUR COMPRESSED AIR COSTS

An energy label for compressed air installations

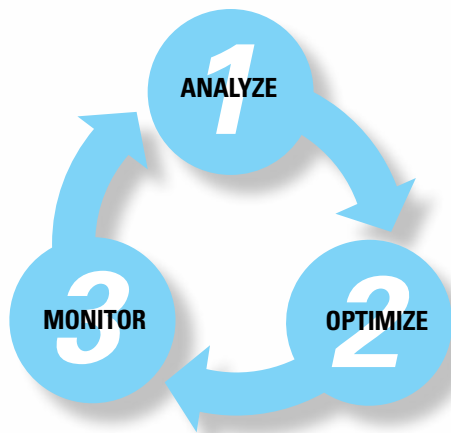


Reference Specific Energy Consumption\* in [J/l]

**460**

(\*) Based on measured power consumption, compressed air consumption and pressure at point of use over a 7 day period from 11/08/2014 to 18/08/2014

In analyzing, optimizing and monitoring your compressed air installation, you will be able to minimize your cost and maximize your efficiency.



Comparable to energy labels for houses, buildings and household equipment, Atlas Copco is the first to introduce an Energy Label for compressed air installations: CASE<sup>2</sup>. It quantifies and rates the energy performance of your installation on a scale from A to G.

Atlas Copco rates compressed air installations based on Specific Energy Requirement (SER). In other words, CASE<sup>2</sup> compares the energy input with the useful output it delivers.

The CASE<sup>2</sup> Energy Label allows you to grasp how green your compressed air installation actually is.

 [www.atlascopco.com/case](http://www.atlascopco.com/case)

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## ANALYZE YOUR INSTALLATION

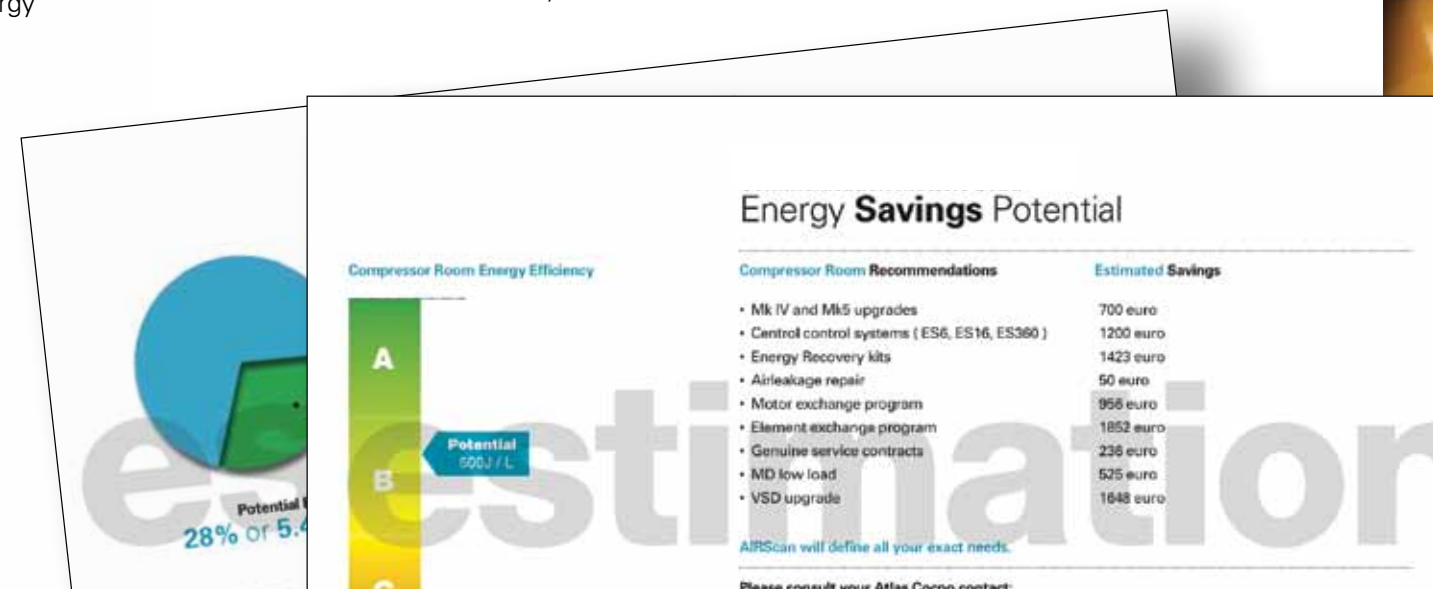
Understanding your Compressed Air Systems

A clear understanding of the changing demands over time is a corner stone in any process of system optimization. Defining the limitations of your current compressed air system is the key to finding the best solution in achieving energy efficiency for your business.

### Estimate your Saving Potential

In order for you to understand the energy saving potential, Atlas Copco pre-assesses your installation and makes a rough calculation of the energy cost these changes would save and the CO<sub>2</sub> emissions you could reduce.

A complete AIRScan audit includes a full survey of all important compressed air installation parameters. Using the logged information, our compressed air experts will issue and deliver a comprehensive and fully detailed report, including cost analysis, graphs and the starting points towards improving the compressed air system. Through measurement and simulations an AIRScan identifies your savings potential.



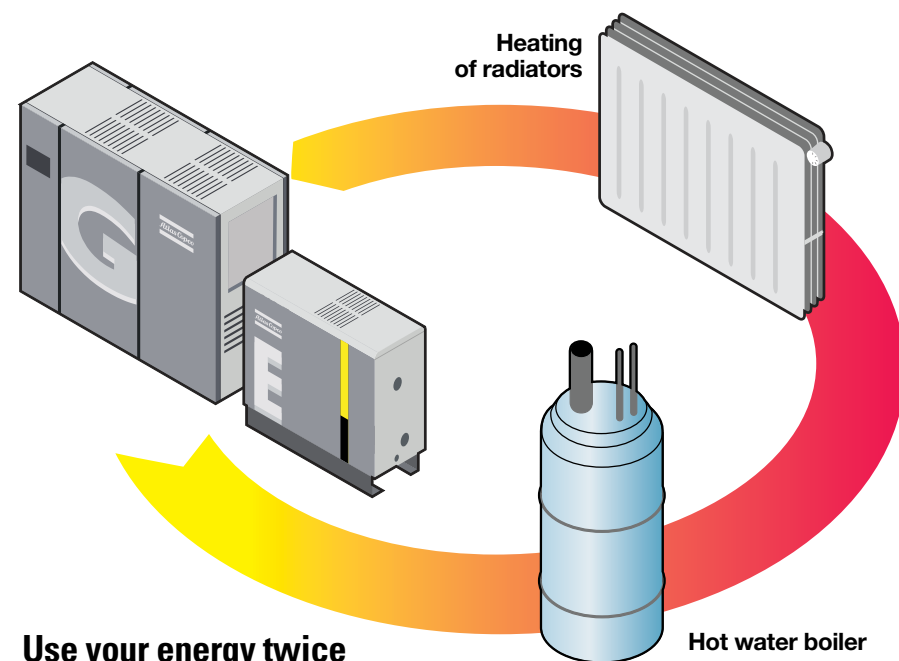
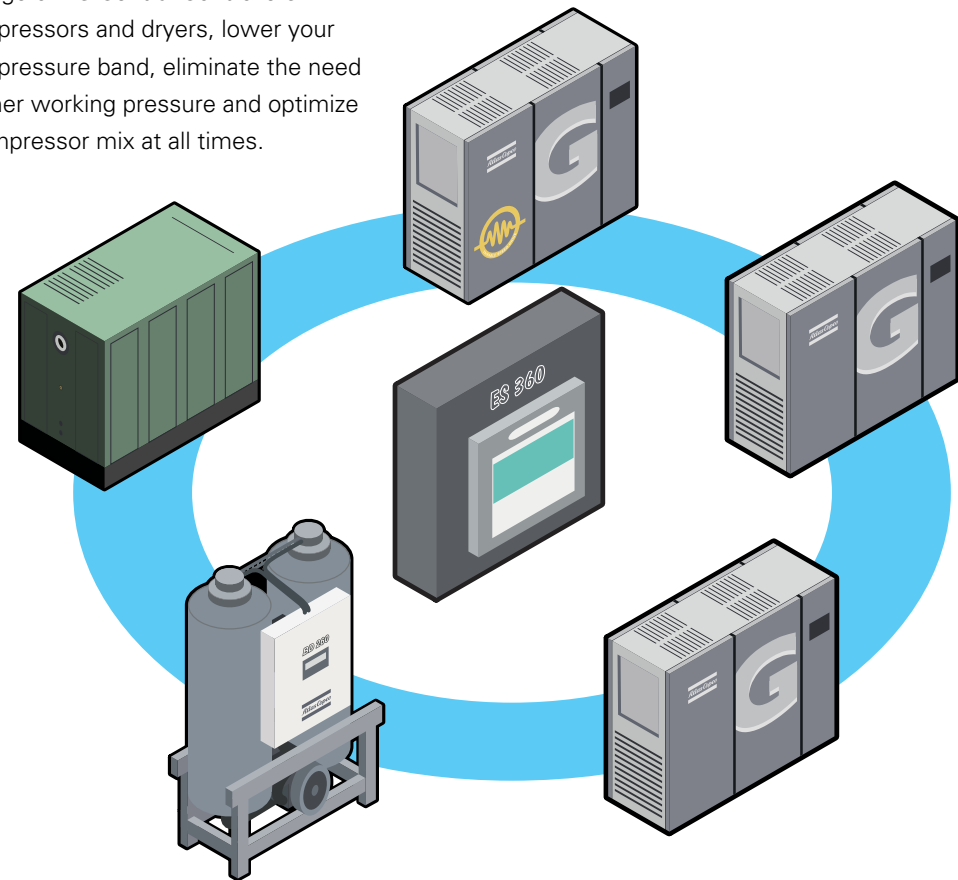
# 2

## OPTIMIZE YOUR ENERGY CONSUMPTION

Improving your Compressed Air System

### Reduce the pressure band effectively

Our range of ES Central Controllers link all compressors and dryers, lower your overall pressure band, eliminate the need for higher working pressure and optimize the compressor mix at all times.



### Use your energy twice

One of the better methods for improving your plant's total energy consumption, is recovering the rejected heat and reuse it in your production cycle.


 [www.atlascopco.com/energyrecovery](http://www.atlascopco.com/energyrecovery)

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## MONITOR YOUR INSTALLATION

And safeguard your efficiency for the future



 [www.atlascopco.com/smartlink](http://www.atlascopco.com/smartlink)

### Measure, predict, anticipate, improve

SMARTLINK, Atlas Copco's Data Monitoring Program offers a complete insight of your compressed air production. Not only does it control and confirm saving solutions, it also helps to predict potential problems – and thus anticipate them. Last but not least it continuously keeps track of production changes and thus informs you on future improvements.





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## ***COMMITTED TO SUSTAINABLE PRODUCTIVITY***

As a true service partner we understand your need for reliable and efficient quality air solutions. It is our ambition to maximize the availability of your equipment at minimum total operating cost, making adequate use of resources. That is what we call sustainable productivity.

[www.atlascopco.com](http://www.atlascopco.com)

***Atlas Copco***