

Atlas Copco Optimization

AIRScan – Compressed Air System Audit

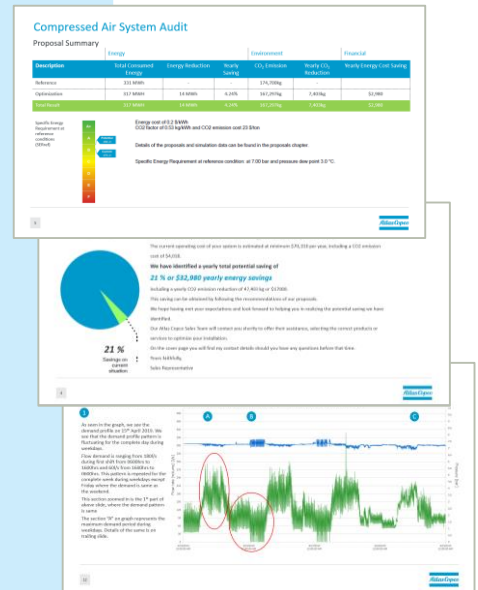
AIRScan: Discover how to save energy in your compressor room

An AIRScan is a comprehensive analysis of your compressed air system. It identifies tangible measures to improve your energy efficiency and reduce costs.



Characteristics

- An AIRScan includes a full survey of the compressed air net parameters: we usually measure energy consumption of the equipment, flow rates and pressures, to get an accurate picture of the compressor room.
- Measurements are performed during operation, so you don't need to stop the production. The logged information is used to simulate several energy savings scenarios: our unique and proprietary analysis software can simulate different configurations of your compressed air system. Together with our competence and experience, this allows us to give you realistic savings figures.
- The AIRScan report provides a clear summary for decision makers, as well as an in-depth analysis of problems and solutions for your technical staff, to improve your system's performance.



Do you use your compressed air properly?



Do you have enough compressed air?



Is your compressed air cost-effective?



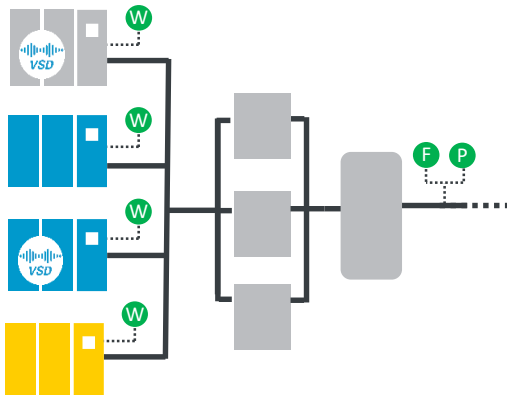
Do you have pressure drops in the plant?



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How is an AIRScan Energy Audit performed?



- 1
- 2
- 3

Pre-assessment and tools installation

Analysis of the current situation and simulation of different scenarios

Reporting and discussions of the most suitable energy savings recommendations

Flow rate and pressure check

This test accurately measures and logs the delivered flow of compressed air, on any compressor brand or type. The flow meter can be inserted into an existing point or the system can be "hot-tapped", without interrupting the production.

Power check

Where other audits use clamps or rely on originally installed power meters to estimate power usage, Atlas Copco's method measures the actual consumed power, non-intrusively. This check is available for all types of compressors over a pre-determined period, usually 7 days. The results give an accurate overview of the money that is spent yearly for the production of compressed air.

Features	Benefits
Non-intrusive measurement system	Can be performed at any time
Real measurements	Measured data, not calculated based on design conditions
Comprehensive and read friendly reports	Valuable document that outlines the energy savings opportunities
Independent analysis	Not linked to equipment sales
Flexible and totally configurable	Taylor made solution
Can be combined with the traditional service plan	A yearly audit can be included in the yearly maintenance budget



Quality Guarantee: AIRScan complies with the ISO 11011 standard for compressed air system assessment. This ensures that your entire facility is assessed based on a clearly defined framework. AIRScan can also be used for your company's documentation for the ISO 50001 energy management system.

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