

Compressed air management: the shortest path to sustainable energy savings



‘wherever  
ants works, serious  
money is saved’\*



technology & consulting by  
**dé perslucht professionals**

\*lower costs, less wear, fewer failures, lower energy consumption, lower CO<sub>2</sub> emissions.

# advice

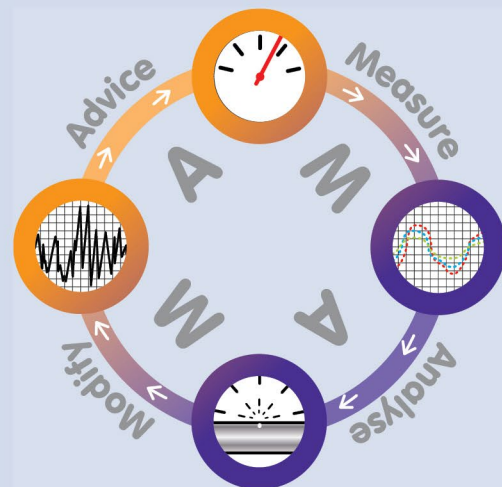
## Allow me to introduce myself...

My name is Jack. I am one of the Service Engineers from Ants. I would gladly like to explain what Ants is all about.

## Compressed air optimization, around the clock

Compressed air optimization is a continuous process in which we follow the principle: 'To measure is to know'. We have summarized this principle under the MAMA-formula: Measuring, Analysis, Modification, Advice.

Ants brings the knowledge and experience to carry out all necessary work under its own management and supervision and therefore to unburden you. You are able to consult us at any point in the compressed air process. We do a lot more besides leakage repairs. You have a one-stop-shop to deal with all compressed air matters; this is less of a hassle for you and saves large amounts of money.



**GOODYEAR**



**AkzoNobel**

**PHILIPS**

**LANXESS**  
Energizing Chemistry



**Coca-Cola**



**DSM**  
BRIGHT SCIENCE. BRIGHTER LIVES.



## International working area

Our operating base is Beesel, located between Venlo and Roermond; with six international airports and motorways connecting Belgium, France and Germany, our office is a perfect international hub.

Our customers are incredibly diverse. From small suppliers to listed multinationals, food manufacturing to the aviation industry and everything in between. This versatility allows us to be creative and flexible, enabling us to provide the most suitable solutions for our clients.



# service

## To measure is to know

Measuring is knowing. We apply this in everything we do and the basis of our work. Without accurate measurement it becomes a guessing game.

We are able to clearly lay out and provide insight into your compressed air systems through measuring. You receive an intelligible report which provides an overview of the current issues and identifies solutions leading to the largest savings. Additionally we indicate the pay back time of all the adjustments suggested, to allow you to make solid decisions on how to proceed.



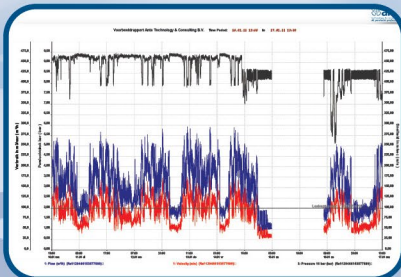
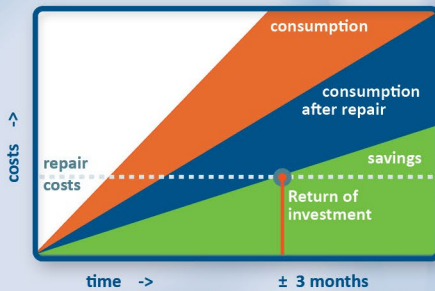
Dew  
point

Leaks

Con-  
sump-  
tion

Filtration

Pressure



## Analysis

Our report sketches an integral picture of all aspects of the compressed air system: pressure in relation to energy, pollution, humidity and temperature (dew point) including the connecting factors between all these elements.

## Compressed air optimization

Ants looks at all the various aspects of the compressed air system. As an independent party we are able to provide advice on the overall picture. On your request we can carry out the improvements ourselves.

### Compressed air optimization is the 'sum of four'

- Leakage management
- Measuring and monitoring
- Compressed air management
- Compressed air training



# product



## Leakage management

Leakage management looks simple. However, it includes a lot more than the repair of a leak or critically fine-tuning a compressed air installation. Our integral approach does not only sustainably repair the leak, but we also keep an eye on the process: this is how we guarantee the quality of our work. Along with compressed air services, we are also able to perform leak detections for other gases.

## Pay back time comes into the limelight

We consistently document everything with our trustworthy AQMS® method which continues to prove itself in practice. More than 20 years of compressed air experience has been brought to bear in this user friendly system, which comprehensibly places all necessary information online. This wealth of information, combined with our expertise, allows us to provide you with optimal results. The average pay back time of leak detection, including repairs, is one to four months. Sit back and count your profits! Saving becomes earning. With our Ants warranty - see the promise we make on the back page - you will always have something to smile about!

## Measuring & Monitoring

Production shuts down without compressed air. Therefore a functioning and trustworthy compressed air system is of great importance. Not only does such a system save a large amount on energy costs, but also your other machinery is less prone to failures and wear. The monitoring of compressed air quality is essential to contain and control the process. We measure the quantity (such as pressure, volume, current) and quality (dirt, humidity, remaining oil parts, etc.) of compressed air.

## Insight into the compressed air consumption

Structural measuring and monitoring gives you control at all times. We often place measuring instruments to provide insight into the compressed air consumption. This way you stay in control of the consumption, the quality of the compressed air and the costs.

## Importer precision instruments

Ants is importer of SUTO-iTEC, leading manufacturer of precision instruments for measuring compressed air in the industry (both volume and quality). Especially for industrial compressed air users, Ants delivers a complete range of instruments and analysis software, including dew point sensors, flow meters, residual oil sensors and dataloggers like the Suto S 331 you see on the right.

Using our instruments and software you have the ultimate equipment for effective compressed air management.





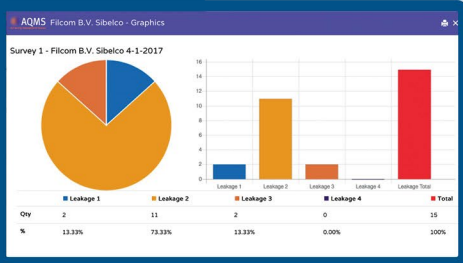
AQMS® Log-in

AQMS dashboard



All leaks

Graphic overview



Details of each leak

Real-time logbook

Location	1	2	3	4	Total	Annual leakage(E)	Percentage	Est Hour (min)
1- Filter regulator	0	1	0	0	1	€ 33.02	4.77%	45 min
2- Hose to tool	0	1	0	0	1	€ 33.02	4.77%	15 min
3- Solenoid valve	0	0	1	0	1	€ 165.68	24.07%	45 min
4- Hose to tool	0	1	0	0	1	€ 33.02	4.77%	15 min
5- Hose to tool	0	1	0	0	1	€ 25.38	3.67%	15 min
6- Hose to tool	0	1	0	0	1	€ 25.38	3.67%	15 min
7- FRL unit	0	1	0	0	1	€ 33.02	4.77%	30 min
8- Hose to tool	0	1	0	0	1	€ 33.02	4.77%	15 min
12- Hose to tool	0	1	0	0	1	€ 33.02	4.77%	15 min
13- Main line	0	0	1	0	1	€ 165.68	24.07%	60 min

# AQMS®

## Air Quality Management System

### Why do you need air quality management?

This methodology, based on years of experience, provides you with a clear overview in real time on-line. You are able to see the latest process status and examine all reports. On the basis of this information you can take quick and effective decisions. AQMS® makes compressed air consumption 'visible' and allows you to keep a firm grip on these matters.

In this 2-minute movie we explain how the AQMS-system works.



### How much money leaks away?

It is actually pretty simple: every leak is localized, labelled, numbered and entered into the AQMS system. The result is an extensive report with valuable information on cases such as repair time, necessary elements and a summary which clearly lays out the pay back time. Additionally we tell you what these leaks cost per year in Euros and in CO<sub>2</sub> emissions. When we start the repairs you are able to view in real time which leaks have been repaired and what remains to be solved.

### Compressed air management

We regularly come across compressed air systems which can be improved without there being an actual defect in the system. Ants offers a unique solution which guarantees the reliability and quality of your system. We strive towards the best solution for you. We can go as far as suggesting alternatives to compressed air if this proves to be more efficient.

### Webshop

Our webshop is an extra service to our customers. In addition to a full range of specialized high-quality instruments we offer a wide range of safety couplings and pressure transmitters for compressed air and vacuum systems. Furthermore we offer a very comprehensive program of alternative filter elements. This applies: at least as good as the original.

Compressed air analysis



Flowmeters



Pressure transmitters



Multimeters & datalogging



Air filters elements



Dew point sensors



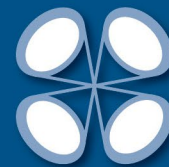
Graphic display



Safety couplings







## Compressed air training

Our main business activity is compressed air management. The most important elements of which are: leak management, analysis and advice, optimisation and monitoring. In order to share our knowledge and vision we offer practice-based in-house compressed air training and custom made seminars for you and your staff. Knowledge and insight regarding compressed air, awareness of costs and opportunities to save on these are presented in a clear way. A training course will seldom earn itself back so quickly. Are you interested? We would gladly inform you of all possibilities. In case you have any questions or comments, feel free to contact us!

With kind regards, Jack



vca✓

## Ants warranty®

We stand behind our products and services and gladly deliver our warranty in black and white: If the cost of leakage detection is higher than the savings potential you will only be asked to pay for our travel expenses. We are able to make this promise because of our many years of experience and product and service specialization.

**ants**  
dé perslucht professionals

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References [www.ants-compressed-air.com/references.html](http://www.ants-compressed-air.com/references.html)

