

# THE FUTURE OF COMPRESSED AIR MONITORING, PERFORMANCE AND CONTROL

[airtec.global](http://airtec.global)



**AIR**MATICS

# SAVE UP TO 30% P/A IN ENERGY COSTS WITH AIRMATICS™ COMPRESSOR MANAGEMENT TECHNOLOGY

AIRMATICS™ is a simple cloud-based air compressor monitoring, performance and control solution that provides real time data, analytics and insights at the push of a button.



AirCloud is the app that provides a visual window into air compressor performance.

## Smart Air, Not Hot Air

Are you an energy consultant, OEM, distributor, facilities manager or business owner responsible for getting the most out of a manufacturing facility?

If optimising air compressor performance, reducing energy bills and increasing sustainability levels is important to your business, AIRMATICS™ can help you:



Become Industry 4.0 ready



Reduce energy costs attributable to air compressors by 30 percent



Achieve 24/7 and 360° visibility of your entire air compressor network's performance, efficiency and health status



Cut waste and reduce carbon emissions



Automate air compressor monitoring and control by letting AIRMATICS™ make the right performance and efficiency adjustments and decisions for you



Improve your air compressor network's performance



# THE SMART FACTORY HAS JUST GOT EVEN SMARTER

Developed to meet the requirements of Industry 4.0, AIRMATICS™ takes air compressor monitoring, performance and control into the 21st century by providing 360° real time performance tracking of businesses' air compressors – from anywhere in the world.

## One Control Centre, Infinite Possibilities

**Command & Control** is the brain behind AIRMATICS™, which is locally installed and digitally connected via the cloud. Capable of managing an infinite number of locally interconnected fixed speed, variable speed or variable output air compressors, Command & Control responds to real time feedback and adjusts settings and performance levels automatically – 24 hours a day, 365 days a year.



### TAG

#### Revolutionising air compressor performance monitoring

AIR-TAG has been designed to monitor the performance of a standalone air compressor – regardless of the air compressor's brand.

Located within the chosen air compressor, AIR-TAG sends data collected during monitoring, via the cloud, to be viewed by the user on an easy-to-use interface.



### SMART-TAG

#### Providing a holistic view of multiple air compressor performance

SMART-TAG provides the host compressor with an alternative control source and enables all compressors to be interconnected with an AIRMATICS™ Command & Control product.

The result? A unified network of compressors that provides instant feedback to the control unit, which then automatically adjusts performance and output according to the air compressor network's requirements.



### Command & Control

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### AirCloud

#### Where Style and Substance Meet

Designed to be as clean and easy to use as possible, the AIRCLOUD user interface provides visual representation of your monitored air compressors across AIR-TAG and SMART-TAG products.

AIRCLOUD's innovative, intuitive and informative approach to data analytics leaves no aspect of your air compressor - or air compressor network - unexplored and no stone unturned.

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## WHY USE AIRMATICS™?

- > Industry 4.0 ready
- > Fully interoperable
- > Brand agnostic: AIRMATICS™ can be integrated within any air compressor eco-system – regardless of manufacturer
- > Reduces energy bills attributable to air compressors by up to 30%
- > Minimises sustainability footprint by reducing carbon emissions
- > Maximises performance and creates efficiencies
- > Reduces wear and tear: IoT capability and continual live communication between air compressor and control centre means performance never exceeds system requirements at any given moment
- > Transparent and easy-to-use reporting: The AIRMATICS™ interface is intuitive and makes gaining insights, data and reporting accessible – regardless of location
- > Decentralised decision-making: AIRMATICS™ automatically makes the best decisions for your air compressors' functionality and usage
- > Fully secure
- > Reduce time spent by workforce on manual diagnostics and resolution
- > Big data helps businesses make big decisions about their air compressor systems



### PLASTIC HERBERT



€30,000  
Per Year

Savings made following the installation of the Airmatics™ system

#### The challenge

Plastic Hebert is a leading producer of injection moulded plastic packaging for the food industry, with a wide-ranging client portfolio that includes small manufacturers and multi-national blue chip companies.

Committed to environmentally responsible manufacturing and minimising its carbon footprint, Plastic Hebert turned to AIRMATICS™ to devise a solution that would cut wastage, reduce its energy bill and deliver long term sustainability gains.

#### The result

- > Saved a total of over €30,000 per annum on energy bills
- > Reduced energy consumption by up to 40 Wh/Nm<sup>3</sup> per year.
- > Taken weekday unload running down from three compressors to one compressor – a saving €15,000 each year alone
- > Identified the opportunity to save €10,000 per year by reconfiguring its pipework and minimizing pressure differentials



### NASHVILLE TOBACCO



\$57,862  
Per Year



600,000  
kWh Per Year

Savings made following the installation of the Airmatics™ system

#### The challenge

When AIRMATICS™ experts in the US conducted a compressed air audit at a large-scale tobacco firm in Nashville, Tennessee, they discovered that around 25 per cent more energy than was actually required was being consumed.

As an organisation that strives to improve operational efficiency, it decided to commission AIRMATICS™ to implement a system that would provide long-term commercial benefits and prevent on-going wastage.

#### The result

- > 97.7% of all compressed air produced is now used for production purposes
- > An annual energy consumption decrease by over 600,000 kWh – or 25 per cent
- > Annual savings amount to \$57,862
- > Payback on AIRMATICS™ investment of \$65,000 achieved within 14 months



### BRITVIC BOTTLING PLANT



29.36%  
Per Year



1,797,131  
kWh Per Year

Savings made following the installation of the Airmatics™ system

#### The challenge

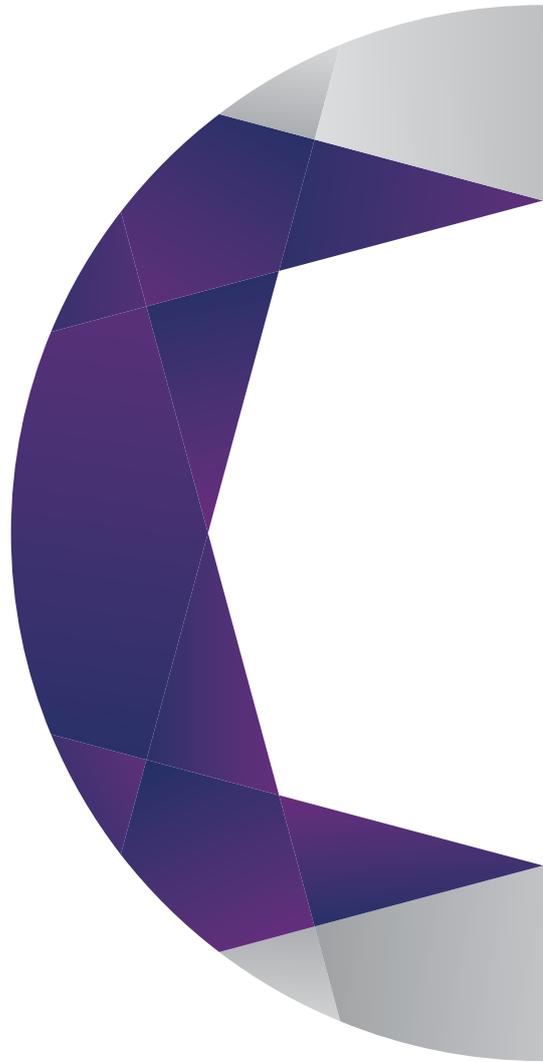
Britvic's Beckton bottling plant has four production lines. One produces 48,000 x 500ml bottles per hour, another produces 21,000 x 1.5 litre bottles per hour and a further two produce 16 – 18,000 x 2-litre bottles per hour.

A suite of products available via AIRMATICS™ was selected to increase Britvic's bottom line and reduce wastage across its entire network of air compressors.

#### The result

- > Improved generation efficiency by an average of 5.46 per cent
- > Decreased the delivery cost per m<sup>3</sup> by an average of 5.26 per cent
- > Reduced annual generation costs by 29.36 per cent
- > Created an annual net saving of 1,797,131 kWh
- > Generated an annual carbon saving of 772 tonnes

Read more success stories at [WWW.AIRMATICS.EU](http://WWW.AIRMATICS.EU)



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**AIRMATICS**