

## CASE STUDY

### FOOD & BEVERAGE



# Beverage Can Giant Visy Boosts Efficiency with Compressed Air As-a-Service Solution

## Overview – The First of Its Kind!

In the specialised world of beverage can manufacturing, compressed air is a critical resource, driving the machinery that shapes and decorates aluminium cans. For Visy, a leading Australia-based producer manufacturing 2.4 billion cans annually, reliable and energy-efficient compressed air systems are essential to maintain high-volume production, minimise costs, and meet sustainability goals. The manufacturer partnered with Climatech Zero to overhaul their compressed air system, with CompAir providing the leading-edge technology to deliver transformative results.

## The Challenge

As a dominant player in sustainable container production, Visy in collaboration with Climatech Zero and CompAir required a sustainable solution to reduce costs and energy use, and enhance reliability.

## Overview

- ▶ **Customer**  
Visy Australia
- ▶ **Location**  
Queensland, Australia
- ▶ **Application**  
Air supply for various plant operations including tool powering and process control
- ▶ **Product**  
5 x Ultima U160 Series Oil-free Screw Compressors, Refrigerant Dryers and Filtration Units, Smart Air Controller and iConn
- ▶ **Customer Benefit**
  - 37% reduction in energy consumption for compressed air production;
  - Enhanced workplace environment
  - Financial predictability with 10-year warranty and Assure service plan
  - Improved reliability through advanced remote monitoring

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### The Solution: A Business Model with Aligned Incentives

Climatech Zero, a net-zero projects delivery company, conducted a comprehensive audit of the facility's compressed air system in collaboration with CompAir. Ultimately delivering compressed air as-a-service for the site. The as-a-service business model closely aligns incentives between all parties and ultimately delivered the CompAir dual-system design featuring:

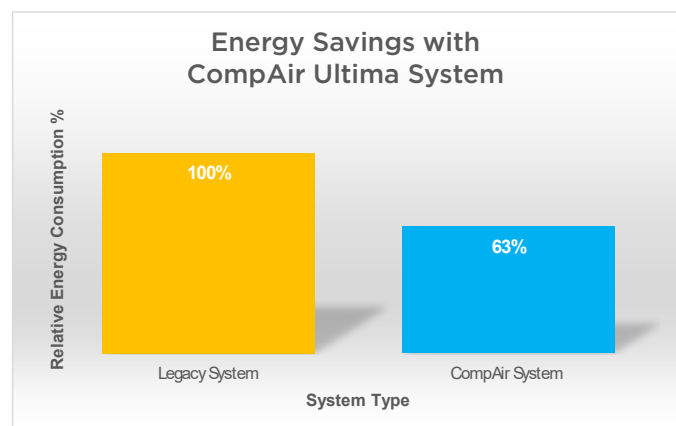
- **High-pressure system** (7 bar) with three Ultima Series oil-free, variable-speed, water-cooled screw compressors.
- **Low-pressure system** (4 bar) with two Ultima Series compressors.
- **Redundancy features** an N+1 redundancy on all equipment for both high pressure and low-pressure systems.
- **Refrigerant dryers and filtration units** to ensure air quality meets stringent industry standards.
- **Smart Air Controller and iConn IIOT technology** for precise pressure control and remote system monitoring.
- **The Solution** – Engineered for reliability, designed for performance, built for safety and made for service.

The Ultima Series compressors were selected for their exceptional efficiency, superior heat recovery, and low noise levels—ideal for a factory environment. This project is the first compressed air as-a-service project ever delivered in Australia!

### Results: Efficiency, Sustainability, and Reliability

The implementation delivered immediate and measurable benefits through an innovative compressed air As-a-Service delivery model:

- **37% reduction in energy consumption** for compressed air production, significantly lowering operational costs.
- **Enhanced workplace environment** due to reduced noise levels and reduced workplace temperatures.
- **Financial predictability** with a fixed-cost compressed air supply, backed by a 10-year warranty and CompAir's Assure service plan.
- **Improved reliability** through advanced remote monitoring, ensuring consistent performance and minimising downtime.



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### A Partnership for the Future

The collaboration between Climatech Zero and CompAir not only boosted the manufacturer's production capacity but also set a new standard for operational efficiency and environmental responsibility in the beverage can industry. This project demonstrates how innovative technology can align with corporate sustainability goals, delivering both economic and ecological benefits on day one.

### Why Choose CompAir and Climatech Zero?

This success story underscores the value of partnering with Climatech Zero and CompAir for compressed air solutions:

- **Proven expertise** in delivering energy-efficient, sustainable systems tailored to industry needs.
- **Innovative technology** that drives performance while reducing environmental impact.
- **Comprehensive support** with long-term warranties and advanced remote monitoring for peace of mind.

### Where to for Compressed Air?

Ready to optimise your facility's compressed air system? Contact Climatech Zero and CompAir to explore how our solutions can enhance your operational efficiency, reduce costs, and support your sustainability goals. Visit [www.compair.com](http://www.compair.com) to learn more and start your journey toward a more efficient future.

## VISY

Visy is a global leader in packaging, recycling and logistics for a better world.

## CompAir

CompAir is a leading global supplier of world-class rotary screw, reciprocating, centrifugal, and portable compressors, renowned for its innovation and reliability in industrial applications. In Australasia, CompAir operates under Gardner Denver Industries Pty Ltd.



Climatech Zero is a leader in net-zero solutions, delivering energy saving and cost cutting projects for large industrial and commercial customers.