

## CASE STUDY MANUFACTURING



# Coca-Cola Enterprises bottles up energy savings with CompAir

Coca-Cola Enterprises, the sole Coca-Cola bottler in Sweden, has reduced its compressed air energy consumption by approximately 60 per cent, thanks to four CompAir compressors and a SmartAir master control system from the Swedish CompAir/Gardner Denver distributor, Tryckluftspecialisten.

## Application Details

In October 2015 the company, which produces, manufactures and distributes Coca-Cola brands from the site in Jordbro, changed its compressed air supplier to Tryckluftspecialisten and the CompAir brand.

Patrik Almström, Sales Engineer and project leader at Tryckluftspecialisten explains: "Coca-Cola Enterprises is one of the largest bottlers of soft beverages in Europe and the plant in Jordbro uses compressed air for general production purposes. The previous compressors were energy intensive, noisy and consuming approximately 22,000 kW of electricity a week on average. As compressed air demand is continuous, the facilities management team was keen to look at alternative options for improving efficiency and performance.



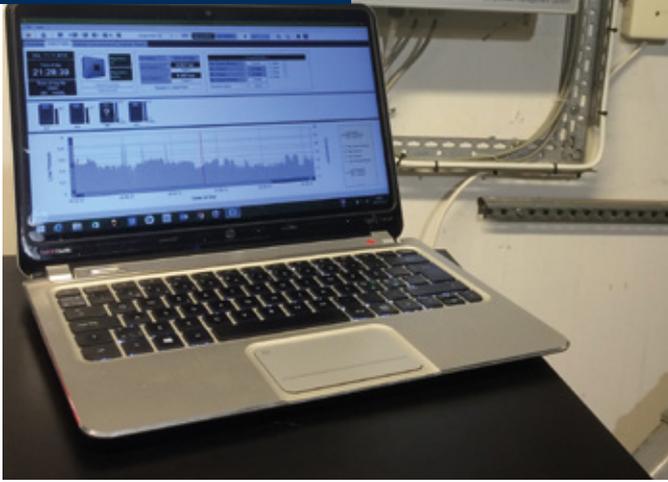
## Overview

- ▶ **Customer**  
Coca-Cola Enterprises
- ▶ **Location**  
Jordbro, Sweden
- ▶ **Application**  
Low pressure compressed air for general production purposes
- ▶ **Products**  
Two CompAir L75 regulated speed compressors and two CompAir L55 fixed speed compressors
- ▶ **Customer Benefit**  
Electricity consumption approximately 60% lower thanks to energy efficient compressors

“My personal opinion is that Tryckluftspecialisten are a highly innovative, enthusiastic and competitive partner.”

Jonas Åström, Purchasing Manager at Coca-Cola Enterprises

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As a result, we specified two CompAir L75 regulated speed systems and two CompAir L55 fixed speed machines. The compressors work in tandem to meet demand at optimum energy efficiency. The SmartAir Master continuously rotates the control system.

All four compressors are controlled by a CompAir SmartAir Master system that manages the compressed air supply across the site. The system calculates precisely how much air the plant needs in real time and optimises the compressor output accordingly, by continually rotating the master pairs to equalise running hours."

### Seamless Installation

The site could also not afford to be without compressed air during the installation and commissioning process. Kim Hesselius, Unit & Facility Manager at Coca-Cola Enterprises explains how the company avoided any production downtime:

"During installation we still required sufficient compressed air for our manufacturing processes. The commissioning of the new machines ran throughout October 2015, with Tryckluftspecialisten staggering the installation one compressor at a time to make sure we could always maintain production output. It was a great service."

*Coca-Cola Enterprises Sverige AB*

### Benefits at a glance

- ▶ No production downtime during installation
- ▶ Four new energy efficient compressors
- ▶ Heat recovery system provides hot water for the heating system
- ▶ SmartAir Master to control compressed air supply
- ▶ Improved quality of the air and stabilised pressure

Commenting on the installation process and benefits, Jonas Wittefeldt, Environmental Manager at Coca-Cola Enterprises, adds: "The installation went really well and the project also fits perfectly with our sustainability agenda as saving energy is one of our top priorities".

### Energy Efficient Compressors

Tryckluftspecialisten also installed heat recovery systems on all the machines to provide hot water to power the site's heating system. As a result, not only has site energy consumption been reduced by approximately 60 per cent, but at least 80 per cent more heat has been recovered than previously, resulting in total savings of approximately 1,000,000 kWh of energy per year.

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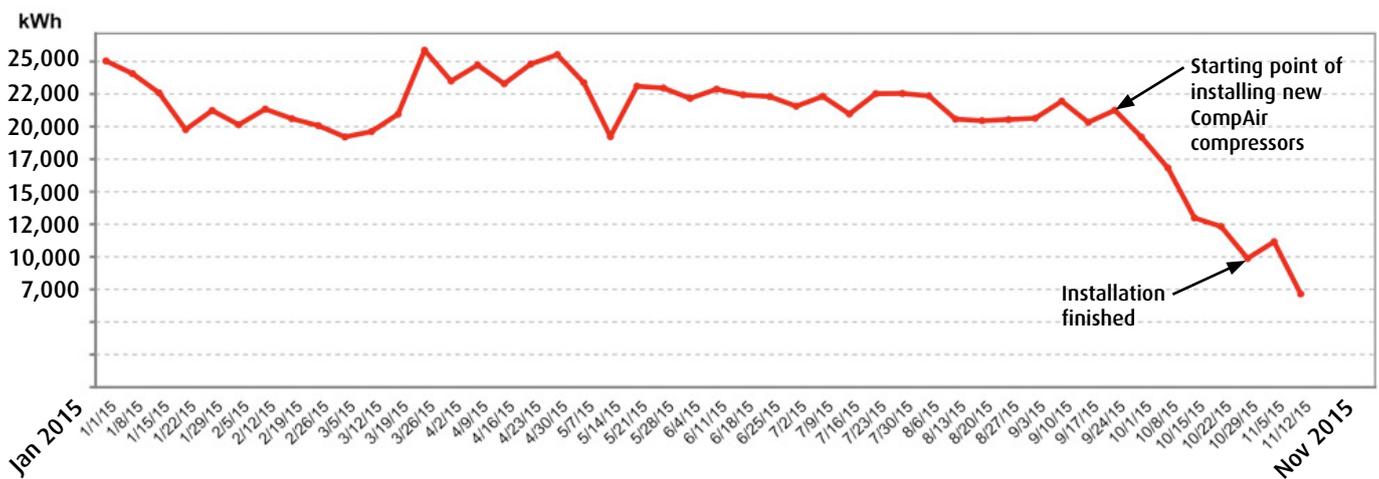


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### Energy Consumption January - November 2015



Jonas Åström, Purchasing Manager at Coca-Cola Enterprises concludes: "At Coca-Cola Enterprises we are continually looking for ways to improve our sustainability targets across the company.

We chose Tryckluftspecialisten and the CompAir compressors as they offered us the best energy saving solution. Even though the machines have only been on site for a month we are already achieving great results and we are looking forward to seeing continued energy savings.

My personal opinion is that Tryckluftspecialisten are a highly innovative, enthusiastic and competitive partner."



"Tryckluftspecialisten was staggering the installation one compressor at a time making sure we always could maintain production output which was a great service"

**Kim Hesselius, Utility & Facility Manager at Coca-Cola Enterprises**

