



PROJECT REPORT

SUSTAINABILITY TO THE TOP



The Ikenergy Tarancon S.I. company, in Barcelona (Spain), was started only a few years ago. It is a **cogeneration plant** that both supplies electricity and thermal energy to the Cobegas (Coca Cola) facilities. The company has 2 engines that generate almost all the energy for **their two partner factories Rpet Flake & Nosoplas**. With the exhaust gasses of the engines 2000 kg of steam/hour is generated for Rpet Flake, for its bottle washing process that cleans 500.000 bottles/hour and later produces the flakes. These flakes are used by Nosoplas to manufacture 350.000 bottles/hour by injection.

Requirements & customer needs

GUARANTEED & RELIABLE
THERMAL PERFORMANCE

OPERATIONAL SAFETY

EASY MAINTENANCE

Project specifications

- Project grouping **Nosoplas S.L.** (manufacturing plant for PET containers) and **Rpet Flake S.L.** (recycled PET flakes plant), where the third participant **Ikenergy Tarancon**, simultaneously supplies electricity and thermal energy to the Cobegas (Coca-Cola) facilities
- The consultant for the project - Soluciones de Ingeniería Energética Aplicada S.L. (**SIEA**) - worked closely with the **BAC Spain team** to answer all the customer needs, and offer the best cooling solution with water treatment equipment and controls.

BAC Solution

FXVS closed circuit cooling towers



BAC participates in the ECC programme for cooling towers. Check ongoing validity of certification: www.eurovent-certification.com



BALTIMORE
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BAC Solution

FXVS 1218C-36H-P

The FXVS closed circuit cooling towers

use a **patented combined heat transfer system** and energy efficient axial fans to ensure **unrivalled energy heat rejection** at the lowest possible energy input.

Internal & external service platforms

As well as easy access to top of the unit, the platforms also mean easier and safer inspection and maintenance, within the EU safety directives.

Standby pump

With the installment of a standby pump, the customer is guaranteed year-round reliable operation. In the event of pump failure this pump can take over.

BCP 0 D - Automatic bleed control

A compact package for precise control of the total dissolved solids level of the recirculating water in your evaporative cooling equipment:

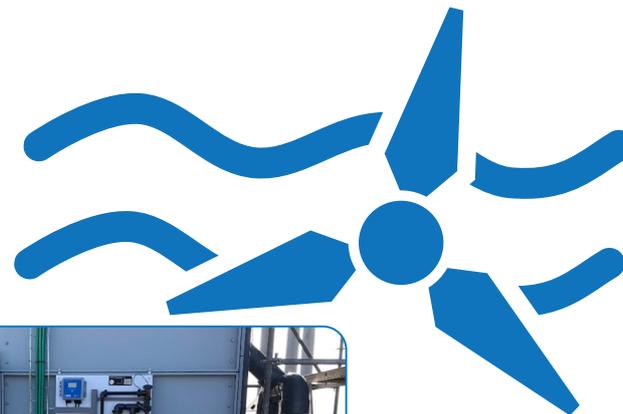
- consistent good water quality
- maximum reliability
- easy connection to BAC equipment
- easy water analysis
- successful start up
- water & chemical savings
- traceability of water quality



Benefits of Eurovent Certified units:

- Certified thermal performance **eliminates the potential of excessive operating costs** due to deficient equipment.
- Confidence that your closed circuit cooling tower will **perform at the published capacities**.
- Demonstrated code compliance and **risk reduction** due to independent validation and verification.
- Design flexibility with certification for both **water and glycol**.
- **Eliminates** costs associated with expensive and time consuming **field thermal performance testing**.

Supervised installation



BCP 0 D
automatic bleed control



**BALTIMORE
AIRCOIL COMPANY**

BLUE by nature
GREEN at heart

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