

Case Study

Industrial Energy Efficiency



Sector: Industry Large Buildings Infraestruturas Small buildings / residential

Subsector: Plastic (PET) bottle manufacturing - Food & Drink

Year: 2007

Client: Logoplaste

Implementation (months): 2

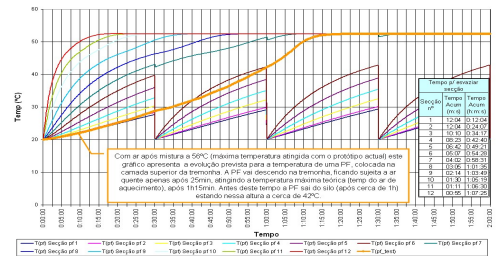
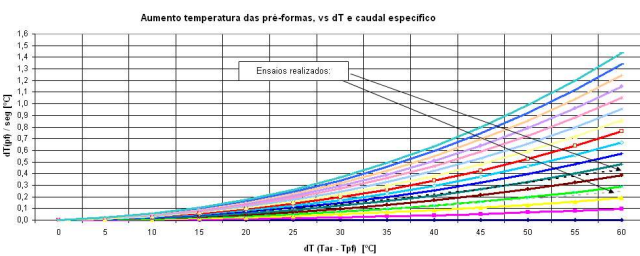
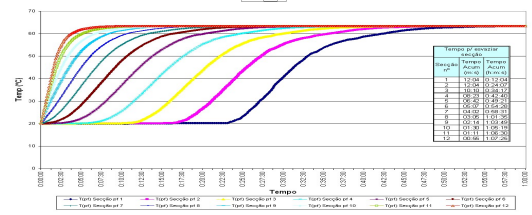
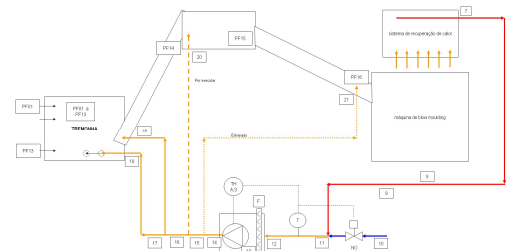
Location: Caramulo (Portugal)

Performance Contract (years): 5

Type of Contract: ESCO, shared savings contract, with 100% financing by EWEN. Contract period 5 years

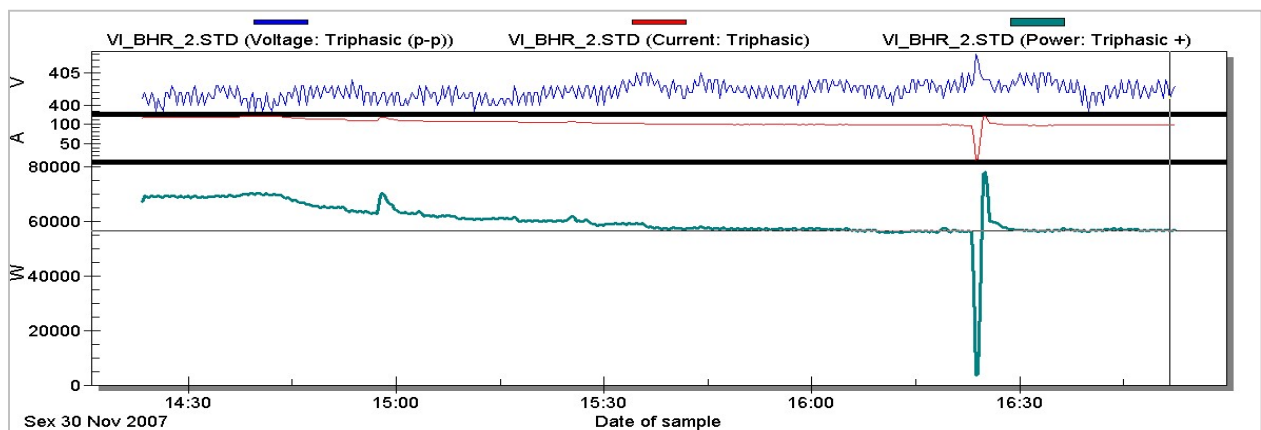
Project description:

After advanced thermal simulation, prototyping and laboratory testes, EWEN implemented a heat recovery system in a blow-molding machine. The heat recovery system guarantees that the pre-forms are not deformed, by monitoring and controlling the pre-heating temperature. The project was totally financed by EWEN, under a shared savings contract, using Option A of the IMVP protocol.



Project results:

The machine's power consumption was reduced from 69.2kW to 56.5kW, with the usage of EWEN's BHR (Blow Molding Heat Recovery Unit).



Act : 2007-11-30 16:51:40
Act : 56494 (W)

Selected Variable: VI_BHR_2.STD (Power: Triphasic +)
From : 2007-11-30 14:23:25
Maximum : 78031 (W)

To : 2007-11-30 16:52:20
Minimum : 3450 (W)

Modelo: MP071_v03_CS004