

Case Study

Industrial Energy Efficiency



Sector: Industry Large Buildings Infra-structures Retail / Services

Subsector: Auto sales stand & workshop chain Year: 2014

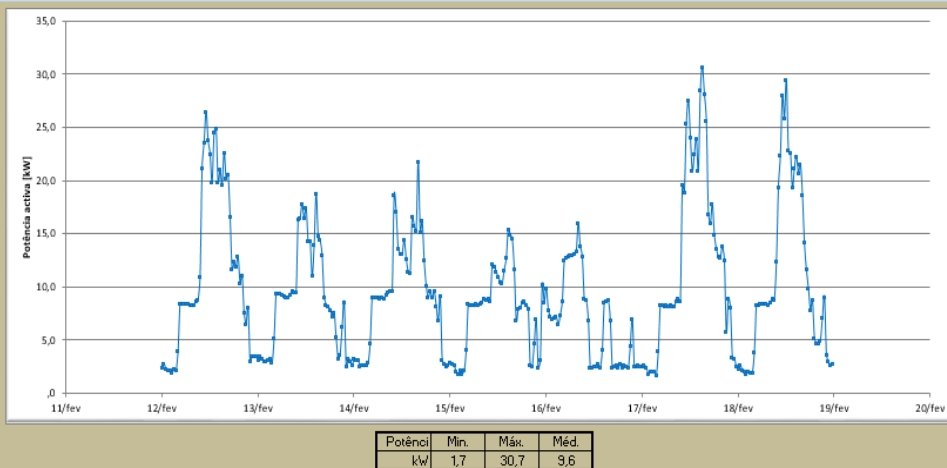
Client: JAP Automotive Implementation (months): 1

Location: 14 sites around Portugal Performance Contract (years): N/A

Type of Contract: Installation of programmable timers for the HVAC units

Project description:

JAP Automotive is an industrial group with a large number of auto sales and workshop site around the country. Energy costs have always been a point of concern for management, and the large energy prices increases in the last years, made JAP acquire from EWEN, an energy management system. Soon after the installation of EWEN's e+Monitor energy management system, it became clear that in 14 sites, the HVAC system was left working during night time and during weekends. EWEN installed programmable timers, to ensure that the HVAC systems were properly switched off during these periods.



Project results:

Avg HVAC night time consumption:
5.5kW

Hours p/ workday (20h > 07h) = 11 h
Hours weekends (Sat 17h»Mon 7h): 38h
Total hours per year: 3725 h/yr
Avg energy cost= 0,115€/kWh
Wasted energy / site: 336Eur/yr

Total Investment (14 sites) = 5270€

Total savings (14 sites)= 4704 €/year

Payback = 1,1 Years

