

Case Study

Industrial Energy Efficiency



Sector:	<input checked="" type="checkbox"/> Industry	<input type="checkbox"/> Large Buildings	<input type="checkbox"/> Infraestruturas	<input type="checkbox"/> Small buildings / residential
Subsector:	Sales stands and workshops			Year: 2012
Client:	JAP Automotive			Implementation (months): 6
Location:	14 sites, from Northern Portugal to the Lisbon Area		Performance Contract (years): N/A	
Type of Contract:	Energy Audit, followed by the implementation of Remote Monitoring / Energy Management Systems, in 14 different sites (automobile sales stand and workshops)			

Project description:

JAP Automotive is a major auto sales group, representing Renault and Nissan brands, with a large number of sites (sales stands and workshops) spread over the entire Portuguese territory. Energy costs have always been a strong concern of the administration, and with the steep energy price hikes registered in Portugal in the last years, this gained even more importance. To better manage the energy costs, JAP awarded to EWEN, the execution of energy audits and the implementation of Remote Monitoring / Energy Management Systems, in 14 different sites (some with only sales stand, others also with auto workshops).

EWEN performed the energy audits and issued 14 audit reports, each of them with particular recommendations to improve the site's energy efficiency. Next, EWEN installed its RMS (Remote Monitoring System) in the 14 sites, with access to EWEN's web based e-Monitor portal, enabling close monitoring of energy consumption (at different levels), comfort conditions (temperature in the sales areas) and exact control of the energy costs, enabling energy invoices from the utility company.



Project results:

JAP now has complete and detailed knowledge about the energy demand profiles of each site and its systems. Soon after the installation of EWEN's RMS, the system enabled the detection several systems that were left operational during the weekends (air compressors and HVAC) in several locations, rapidly correcting these wasteful situations, with immediate impact on the energy costs. JAP's energy costs are now closely and accurately controlled, and the energy utility bills can now be effectively checked for possible errors.

HARDWARE – Block Diagram and Data Flow

