

# Case Study

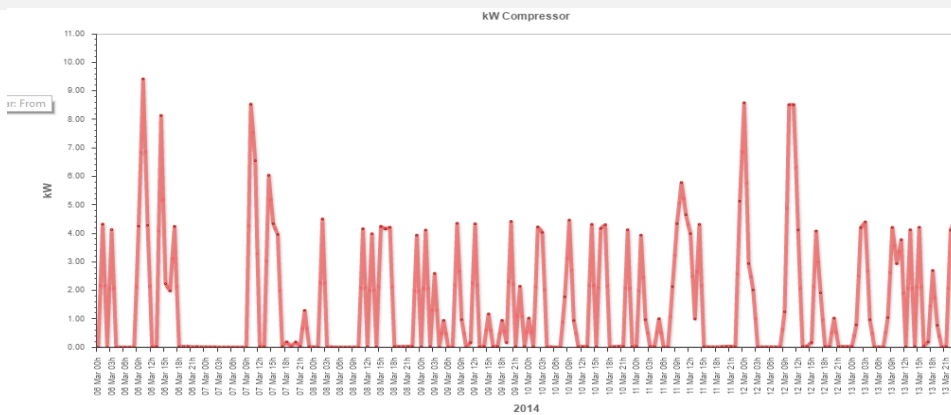
## Industrial Energy Efficiency



Sector:	<input checked="" type="checkbox"/> Industry	<input type="checkbox"/> Large Buildings	<input type="checkbox"/> Infra-structures	<input checked="" type="checkbox"/> Retail / Services
Subsector:	Auto sales stand & workshop chain			Year: 2014
Client:	JAP Automotive			Implementation (months): 1
Location:	9 sites around Portugal			Performance Contract (years): N/A
Type of Contract:	Installation of timers for the workshop compressors			

### 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 9 sites, the workshop air compressor was not switched off at the end of the work day, remaining working for the entire night as well as during weekends. EWEN installed programmable timers, to ensure that all air compressors worked only when they were needed.



Statistics for Channel: kW Compressor

From: 2014-03-06 00:00  
To: 2014-03-13 23:59

Maximum: 9.42 kW at 06 Mar 10h  
Average: 1.50 kW  
Minimum: 0.00 kW at 06 Mar 00h



### Project results:

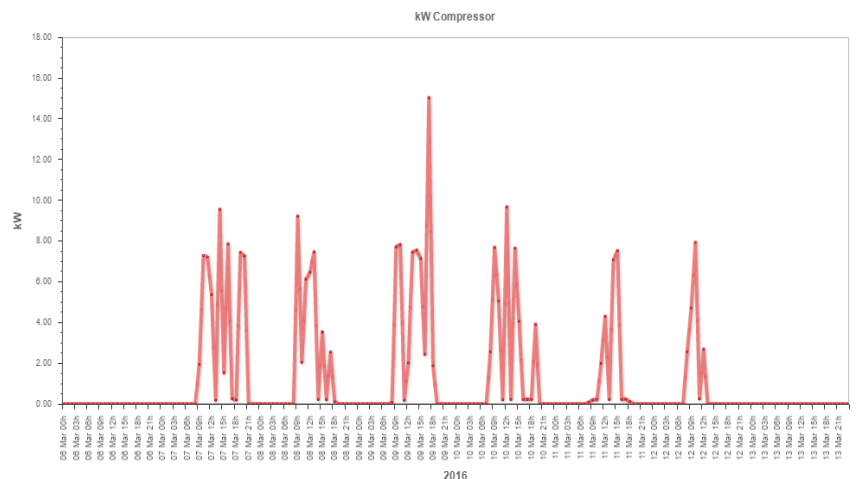
Compressor average consumption (9 sites): 7kW

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: 428Eur/yr

**Total Investment (9 sites) = 4050€**

**Total savings (9 sites)= 3855 €/year**

**Payback = 1,05 Years**



Statistics for Channel: kW Compressor

From: 2016-03-06 00:00  
To: 2016-03-13 23:59

Maximum: 15.03 kW at 09 Mar 17h  
Average: 1.23 kW  
Minimum: 0.00 kW at 06 Mar 00h