

# Case Study

## Industrial Energy Efficiency



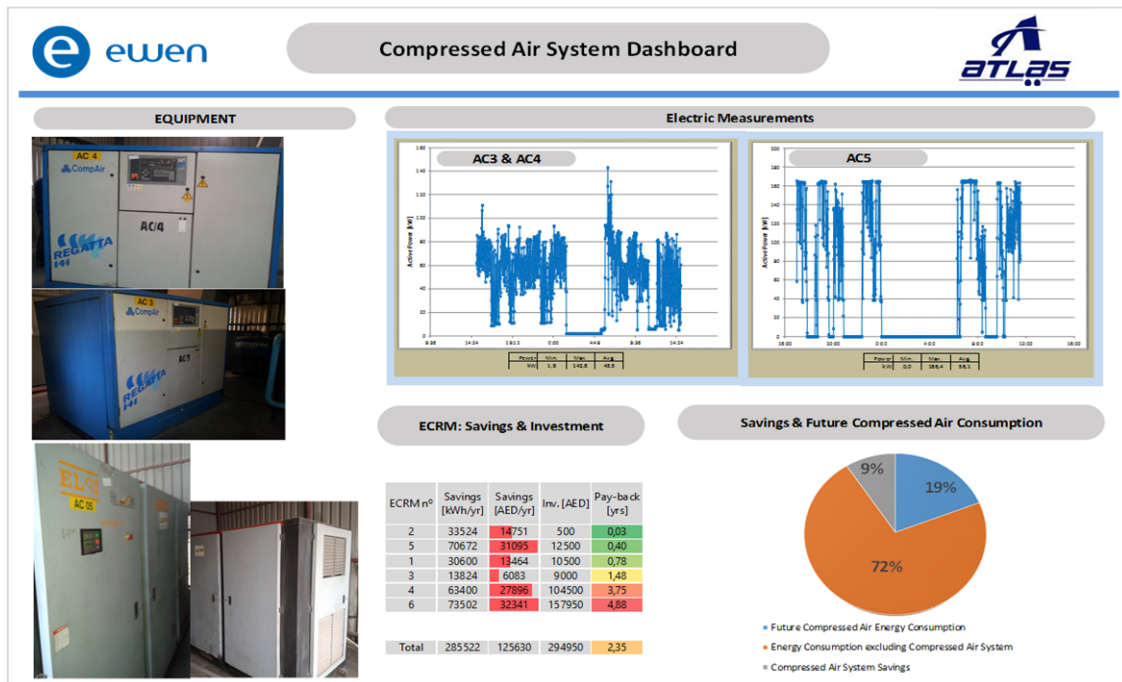
Sector:	<input checked="" type="checkbox"/> Industry	<input type="checkbox"/> Large Buildings	<input type="checkbox"/> Infraestrutures	<input type="checkbox"/> Small buildings / residential
Subsector:	Metal works (Process equip. manufacturer for Oil&Gas)			Year: 2014
Client:	Al Shirawi Equipment Co. (LLC ASECO)			Implementation (months): 2
Location:	Dubai / United Arab Emirates			Performance Contract (years): N/A
Type of Contract:	Industrial Energy Audit (Services)			

### Project description:

A detailed energy audit was performed to teh ASECO industrial unit in Dubai, in partnership with a local energy services company, Mazetec.

The audit focused mainly on 4 distinct areas: industrial yard and metal cutting & welding / forming machines, finishing area (sand blasting and painting), utilities (compressed air and lighting), and the company office building.

The audit identified the largest energy consumers to be the compressed air system (28%) and the welding machines (20%).



### Project results:

The audit identified efficiency measures in several systems, with a global energy reduction consumption reduction potential of 22%, representing an annual saving of 388 kAED (97kEur) in the following areas:

> Compressed air (42%); lighting (38%), energy monitoring / management systems (12%) and industrial ventilation systems (8%).

The package of energy efficiency kmeasures recommended in EWEN's report, represent an investment of 1012 kAED (~250 kEur) with a pay-back period of 2.6 years.