Case Study
Industrial Energy Efficiency

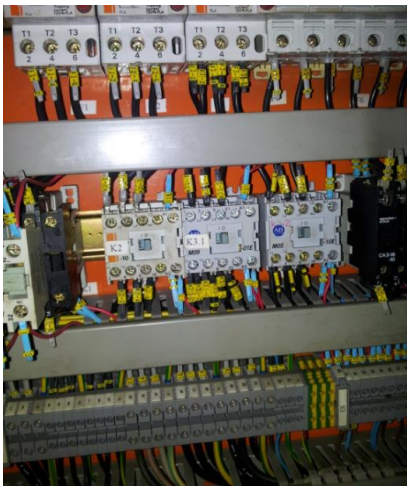
Sector:	X	Industry		Large Buildings		Infraestrutures		Small buildings / residential

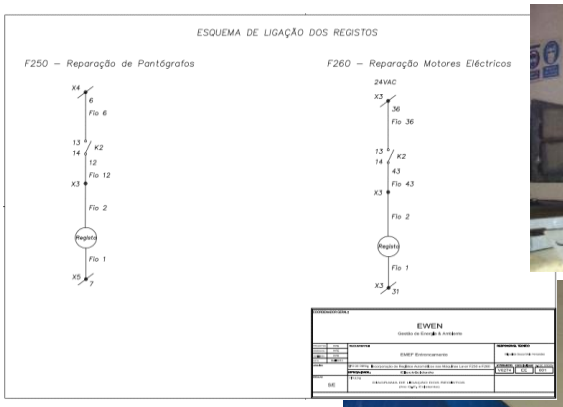
Subsector:	Rail (Maintenance)	Year:	2013
Client:	EMEF	Implementation (months):	3
Location:	Entroncamento (Portugal)	Performance Contract (years):	N/A
Type of Contract:	Implementation of na energy efficiency measure with guaranteed results at industrial washing machines at a rail maintenance workshop.		

Project description:

Thsi project consisted of installing automatic dampers in workshop component washing machines exhaust ducts, to eliminate heat losses, thorugh natural ventilation that ocurred during the washing process.

The automatic dampers (electric, spring-loaded and fail safe) were electrically connected with the machines, to ensure that they worked only when the machine was working.





Project results:

This project eliminated the thermal energy losses that existed in the 4 washing machines, with a pay-back period below 2 years.