

Case Study

Industrial Energy Efficiency



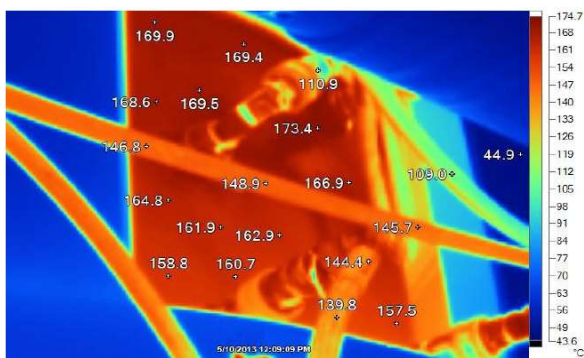
Sector:	<input checked="" type="checkbox"/> Industry	<input type="checkbox"/> Large Buildings	<input type="checkbox"/> Infraestruturas	<input type="checkbox"/> Small buildings / residential
Subsector:	Tire manufacturing			Year: 2013
Client:	Continental			Implementation (months): 3
Location:	Trofa (Northern Portugal)			Performance Contract (years): N/A
Type of Contract:	Lump Sum / Fixed Contract Value Contract with performance guarantee			

Project description:

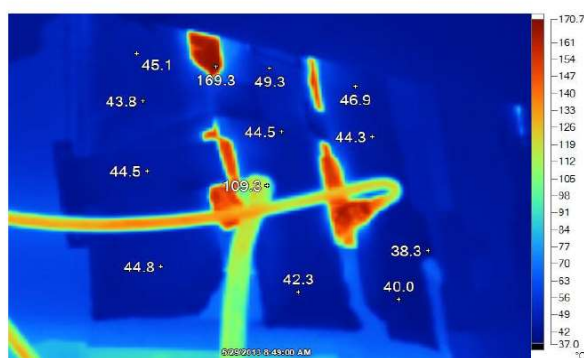
Thye hidraulic presses use in the tyre manufacturing process, work at temperatures of 170 to 200°C. The fact that the press moulds haver to frequently changed, make the traditional thermal insulation solutions, impractical. Continental & EWEN jointly designed a flexible thermal insulation pad, which could be removed very rapidly (in seconds). This solution was first prototyped and after successful testing, was replicated to all the presses in the Trofa plant. Tye geometry of the pad was defined by Continental, and EWEN selected the insulation materials.

THERMAL RESULTS:

Thermal Image Before Insulating



Thermal Image_AFTER Insulating



Project results:

The final temperature measurements, indicate a pay-back period of 5 months. Continental is presently analysing the possibility of replicating this solution to other plants in Europe.