



ALTA PROCESS SOLUTIONS

AFFILIATED TO ALTA ENERGY SOLUTIONS CORPORATION

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INDUSTRIAL PROJECTS

Project No.: 13

Industry: Tire Industry

Project Subject:

Energy Consumption Optimization of a Tire Production Plant

Challenge:

In this project, a tire production plant was studied and by using the most modern Pinch Technology and improving heat exchangers network, 30 %energy saving in company was realized.

Proposed Solution:

1. Production of at least 4.5MW electric power to meet plant's power demand.
2. Production of at least 5T/h steam (30 bar) by simultaneous production system.
3. Production of at least 4.5T/h steam (22 bar) by simultaneous production system.
4. Production of at least 4T/h steam (10 bar) by simultaneous production system.

Results:

			
Energy Saving (%)	OPEX Saving (\$/yr)	Investment (\$)	Payback Period (month)
30	49,740	25,833	6