



CASE STUDY

INDUSTRY: FOOD & BEVERAGE



CUSTOMER: Unilever de México

LOCATION: Tultitlán, México

BACKGROUND: Unilever produces over 400 brands of consumer products sold throughout the world. Unilever's manufacturing plant located in Tultitlán, México manufactures personal hygiene and household products such as soaps, deodorants, shampoo, skin lotions, and scented products. Many brands such as Dove, Axe, Ponds and Snuggle are produced to supply Latin America and Central America.

SCOPE OF WORK: Armstrong International was awarded an engineering service contract from Unilever de México for complete steam system optimization. Armstrong would be responsible for all mechanical work performed by local contractors.

All steam and condensate distribution lines were drawn using Autocad 2002. Armstrong implemented a steam trap optimization program that included a survey, database, selection, sizing, install, repair and replacement of the steam trap population. Armstrong also provided a complete steam distribution optimization, plant-wide condensate return improvement, and isometrics for all technical recommendations.

BENEFITS: Armstrong located all live steam/condensate leaks and damaged or missing insulation on steam/condensate pipe lines. Armstrong energy experts engineered all Energy Conservation Measures (ECM) for Unilever as well.

Unilever recognized a complete steam system optimization that delivered reduced energy consumption and helped increase production throughput.

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