



CASE STUDY

INDUSTRY: CHEMICALS



CUSTOMER: Dow Chemical

LOCATION: Freeport, Texas, USA



BACKGROUND: Dow Chemical's Freeport plant was built in 1940 to extract magnesium from seawater. With seven manufacturing plants in Texas, Dow's Texan facilities produce billions of pounds of products each year that enhance the quality of life for people around the globe. These products are used in a variety of end-use products – office supplies, mouthwash, pharmaceuticals, computers, furniture, paints, carpet, garbage bags, cosmetics, chewing gum, lozenges, cleaning products and food.

SCOPE OF WORK: Armstrong International provides Dow's Freeport chemical plant with steam system optimization expertise by placing a well-trained and experienced employee on-site. Armstrong's facility expert provides consultancy service to the process, technical, maintenance, and project engineering departments. He is also responsible for organizing the sites steam repair team, through the use of Armstrong's Preventative Maintenance Software, to ensure all approved steam upgrade projects are implemented.

The specific responsibilities include the survey, repair, and replacement of the 12,000 steam trap population, trouble shooting all steam system problems, and recommending and overseeing steam capital projects

The service effectiveness is measured against key performance indicators that compare cost of repairs versus savings

BENEFITS: Dow Chemical has an experienced steam person on-site to address all steam system issues. Most of all, the individual is backed by extensive local resources of Texas Steam Equipment Company, Armstrong's local representative, and Armstrong International.



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