



CASE STUDY

INDUSTRY: STEEL



CUSTOMER: Anshan Iron & Steel

LOCATION: Anshan, China

BACKGROUND: This facility knew it had very inefficient steam and condensate systems and felt it did not have the on-site expertise to determine the area of inefficiencies nor how to prioritize and manage the work. Armstrong International addressed these needs by discovering the areas of inefficiency, justifying the work on an economic basis, and then performing the work on a turnkey contract.

SCOPE OF WORK: A total of three phases of the project have been implemented, which includes:

- Re-engineered and optimized the steam system flow by installing two flash recovery systems to recover and re-use the flash steam.
- Installed a condensate recovery system to achieve maximum condensate recovery and use the residue heat in the recovered condensate for area heating.
- Re-engineered and optimized the steam trapping system to improve steam efficiency and eliminate steam loss, while meeting the requirements for the condensate recovery system.

BENEFITS: Ashan Iron & Steel recognized savings up to \$1,500,000 per year since installation and ROI in less than one year.



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