



## CASE STUDY

### INDUSTRY: STEEL



**CUSTOMER:** Taiyuan Iron & Steel

**LOCATION:** Taiyuan, 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:** Armstrong engineered and installed a flash steam system to recover the flash steam and use the recovered flash steam to replace the fresh steam in the Primarily Distillation Tower, thus reducing the steam generation.

Armstrong also installed a condensate recovery system to improve the overall steam system efficiency. In addition, Armstrong 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:** Taiyuan Iron and Steel recognized savings of approximately \$118,000 and ROI within one year.



Armstrong International  
INTELLIGENT SOLUTIONS IN STEAM, AIR AND HOT WATER

North America • Latin America • India • Europe / Middle East / Africa • China • Pacific Rim

[armstronginternational.com](http://armstronginternational.com)