



Partnership Profiles



O&M Services

Turnkey Installation

Energy Services

System Solutions

Site: Taiyuan Iron & Steel

Location: Taiyuan, China

Scope of Work: This facility new 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 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.



- Upgrade Projects:**
- Engineered and installed 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.
 - Installed a condensate recovery system to improve the overall steam system efficiency.
 - 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.

Project Cost: The total value of the agreement was \$118,000

Time of Service: The project upgrades were completed in July 2001

- Benefits:**
- **Total project savings: \$118,000**
 - Payback period: 1 year

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