



FIRED HEATER OPTIMIZATION

Improved efficiencies through damper improvements

For the petrochemical industry, increased efficiency and lower maintenance costs increase your competitive advantage. The optimization of a fired heater is one area where key savings can be realized.

Bachmann Industries, Inc. has introduced a multi-step assessment program for the petrochemical industry to ensure the optimum performance of all damper and expansion joint equipment.

Field assessment

Bachmann's experienced team of field engineers conduct a thorough site inspection to determine the equipment's current state, where efficiencies can be found and where potential safety problems could arise. A comprehensive inspection report is generated to provide system owners with up to date information about all of their dampers and expansion joints.

Reliability and efficiency gains

Bachmann's experienced engineers will look at your system and suggest critical upgrades that will increase efficiency, reliability and repeatability while minimizing maintenance costs.

Project management

Onsite or prior to any equipment delivery, Bachmann's dedicated staff of project managers are available through the whole project. From helping with scheduling of outage requirements, to ensuring delivery of components, Bachmann is there to support you throughout the entire process.

Field installation and supervision

With Bachmann's construction services and service engineers, we are available to assist in all phases of the installation process. Supporting local contractors to complete installation and commissioning, we can support you when the equipment arrives at site.

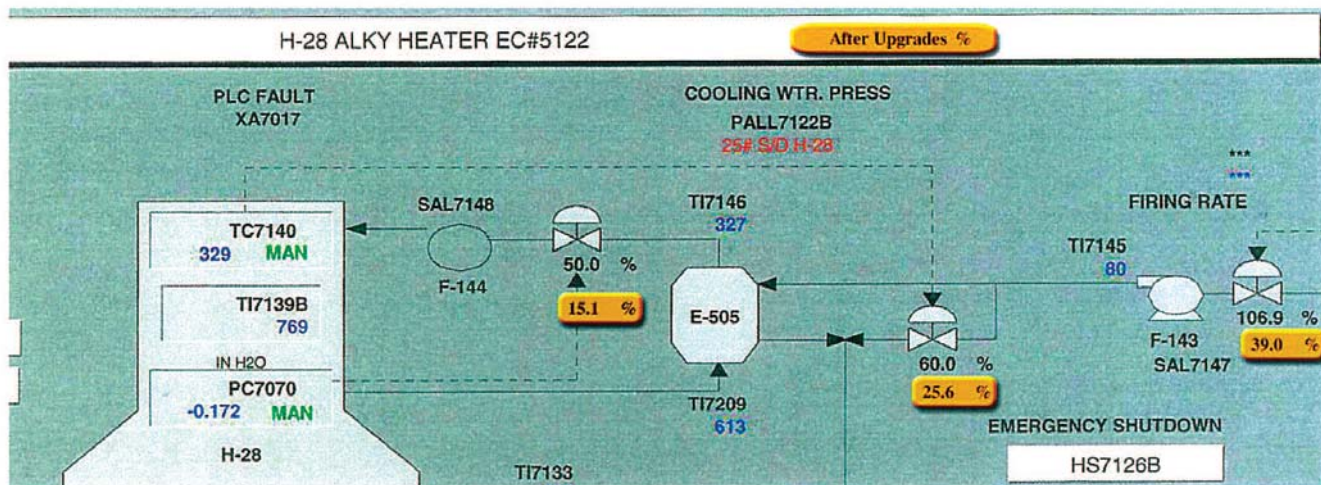




Actuator and controls upgrade to provide better precision to stack damper movements

Solutions

- Complete system walk downs and evaluations
- Modularized damper designs to utilize as many existing damper components as practical
- Regular and preventative maintenance programs specifically tailored to your refinery to optimize equipment performance
- Installation services and supervision to minimize outage duration
- Complete onsite project management to ensure schedules are maintained and work completed on time
- Extensive installation reference list with many large refineries across the United States



Damper operating conditions before and after upgrades. The damper was fine tuned to optimize the heater and control O₂ amounts coming out of the stack.

Bachmann is participating member of API 560 since 2009



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