

CLIENT CASE STUDY

“FLARE MODIFICATIONS DUE TO RATE INCREASE”

- ∴ **Facility Type:** Refinery
- ∴ **Services Provided:** Flare Mitigation

The Opportunity:

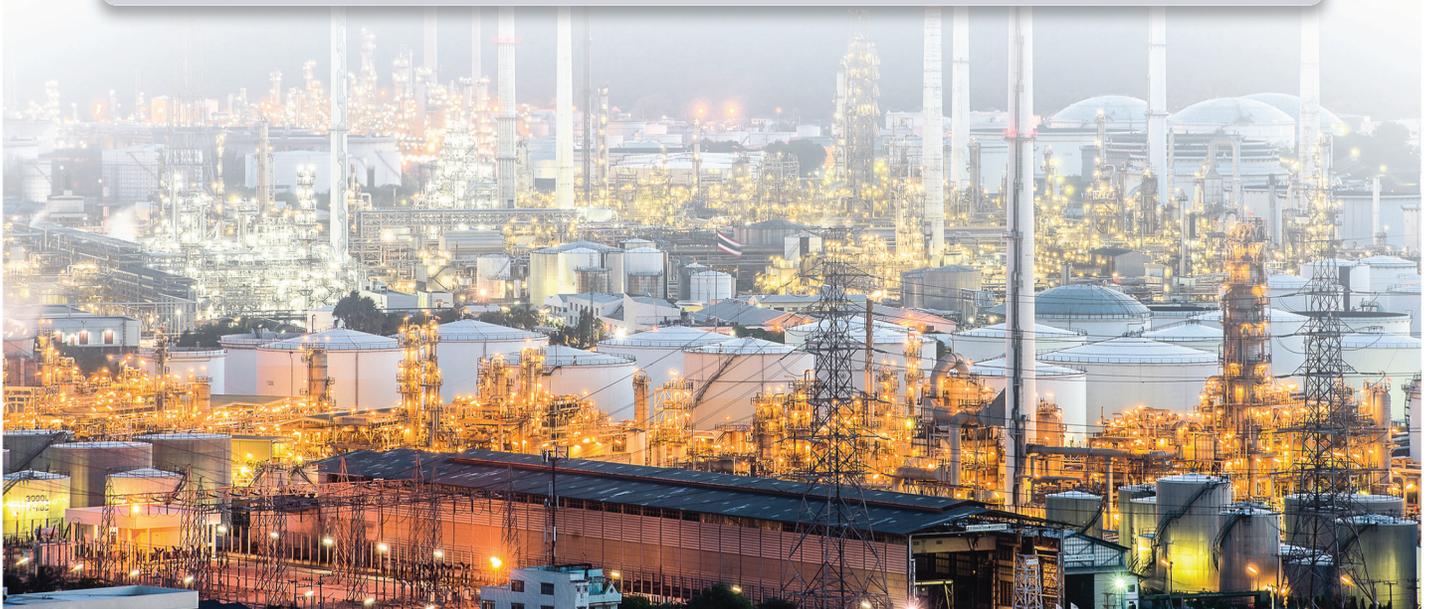
- ∴ A major United States refinery was in the process of installing a site-wide rate increase and hired a competing engineering firm to perform the feasibility study. The engineering firm sized their crude fractionator and recommended new relief devices that would require modifications to their existing flare header. The refinery’s corporate office called Smith & Burgess and asked us to perform a third-party review on the engineering firm’s recommendations.

Our Solution:

- ∴ Smith & Burgess dug into the engineering firm’s recommendations and found the Heat Integration Limitations were calculated incorrectly.

The Results:

- ∴ By updating their relief calculations, our engineers proved the refinery did not need to make any modifications for the site-wide rate increases. Eliminating the need for additional relief devices and flare modifications saved the refinery over \$1 Million in unnecessary expenditures.



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