

CLIENT CASE STUDY

“FLARE SYSTEM OPTIMIZATION”

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

The Opportunity:

- ∴ A major United States refinery was recommended by an EPC to install a new flare worth approximately \$60 Million. Unsatisfied with the EPC’s recommendations, the refinery asked Smith & Burgess to perform a third-party review to verify their results.

Our Solution:

- ∴ Our engineers determined the EPC based their recommendation on overly conservative assumptions which resulted in higher flare loads. Smith & Burgess revalidated each one of their PSVs that contributed to the high flare load, and were able to identify unique solutions for the individual systems that resulted in lower flare loads and eliminated the need for a new flare.

The Results:

- ∴ Smith & Burgess brought the refinery’s \$60 Million worth of proposed modifications down to less than \$2 Million worth of modifications.



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