

RELIEF SYSTEM ANALYSIS: RELIEF DESIGN REVALIDATION AS PER OSHA STANDARDS



WHERE?

Refinery in Texas, USA

WHY?

Challenges Addressed

- Lack of or gaps in Relief System Design documentation

Goal

- Revalidate ~2,000 relief devices to ensure adequate protection and assist client company comply with relief system documentation requirement per OSHA settlement agreement

Engagement

- Analysis of over pressure scenarios and relief system adequacy check

RESULT

Benefits Realized

Developed relief system design documentation (of the highest quality in the market as commented by OSHA verifier) for client to comply with requirement per settlement agreement with OSHA. Fines related to process safety violations were in upwards of **\$50 MILLION** prior to the start of the project.

Enhanced process safety by uncovering and providing mitigations for relief system design deficiencies

TECHNIQUES AND EXPERTISE EMPLOYED

- Detailed documentation for each of 2,000 relief valves covering over pressure scenarios, relief requirement calculations, relief device adequacy check etc. helping site comply with the requirements per Standards and Codes.

www.ingenero.com

Houston 🌞 Mumbai 🌞 Doha 🌞 Jubail

Houston
+1-713-223-9942

Mumbai
+91-22-6176-4500