

SPARE REBOILER INSTALLATION

ENGINEERING DESIGN PROJECT MANAGEMENT



InSite provide engineering design and project management services fit for your operating site, supported by our combined experience of process operations, process safety, inspection & integrity management and instrumentation & control. Our experienced project managers have a track record of completing low cost, fast track projects and providing creative solutions to potentially expensive problems.



CHALLENGE

A refinery situated in the United Kingdom required a detailed engineering package for a project to install a second reboiler for the existing crude unit naphtha stabiliser.

SOLUTION

InSite Technical Services project engineering team executed the detailed engineering from the client's basis of design, including:

- Reviewing the sensitive hydraulics of the thermosiphon reboiler.
- Preparation of the exchanger datasheet.
- Detailed calculations for piping stress analysis, nozzle loadings, and civil & structural loadings.
- 3D model, piping isometrics, civil & structural and instrument & electrical drawings.

OUTCOME

- Project deliverables produced to a high standard, minimising contractor Technical Queries or changes during construction.
- Project design met client schedule.
- Project communication and understanding maintained with key stakeholders throughout the project to ensure success of construction and operating phases of the project.

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