

Detail Design calculation , Piping Stress Analysis and Detail fabrication Drawing for Mud Gas Separator Skid Package

THE CLIENT

A UK-based client offering an array of customized solutions to chemical ,pharmaceutical, petrochemical, oil refinery, power generation and waste treatment.

THE BUSINESS NEED

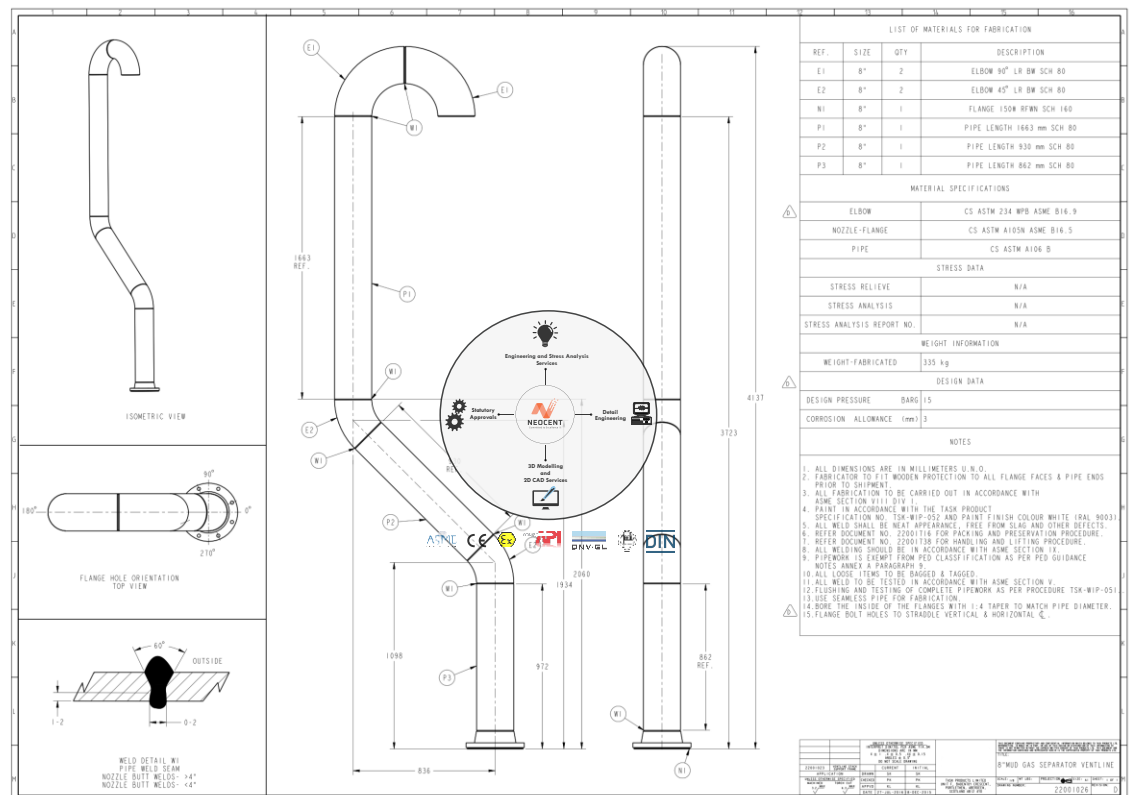
Our client was seeking engineering design assistance for a Separator (ASME U-stamp and ABS Approval) design. Client wanted Stress simulation on Separator as per ASME Code and Frame Stress simulation with In-place/ Operating condition - transit condition.

NEOCENT SOLUTION & DELIVERABLE

Detail Engineering : Pipe stress analysis for pipe Support, Pipe Support Design, Foundation load calculation etc.

CAD Detailing : Pipe Isometric drawing , Piping Support fabrication Drawing, Lifting and Erection Drawing.

Analysis : Piping Stress Analysis , WRC 207/297 Nozzle FEA.



Neocent Engineering Services is a multi-discipline engineering services company. Established in 2015, we offer high-quality engineering support solutions to global EPC organizations across some of the industries listed: Automotive, Aerospace, Turbo machinery, Heavy engineering, HVAC, Oil & Gas, Material handling and Process industry.

Neocent provides detailed engineering services to EPC, EPCM, OEM, and PMC as long-term turnkey projects. Our EPCM services include Project Management, Feasibility Studies, Conceptual & Basic Engineering, Detailed Design, Procurement, Construction Management, Commissioning & Start-up, and Operations & Maintenance.

Neocent Engineering's service offering, include;

- Engineering and Stress Analysis Services
- Details Engineering
- 3D Modelling and 2D CAD Services
- Statutory Approvals

Piping Stress Analysis Consulting Services

Neocent Engineering specializes in "Piping Stress Analysis" work following ASME B31.1, B31.4, B31.8, B31.11, BS EN 13480, BS EN 14364, SHELL DEP etc.

Our Piping stress engineering team have years of experience with piping system design and piping stress analysis. We provide full-service pipe design stress analysis services, from initial concept through final construction.

- Seismic, Static & Dynamic Load Analysis
- Piping Flexibility calculation
- Piping Support Selection and Design
- Spring and Special Support Design
- Flange Leakage Checking
- Analysis of Jacket piping ducting, Buried piping
- Solution on Piping Vibration problems

Piping Stress Analysis is our forte, and our teams have a long and wide range of project experience to carry out the full spectrum of stress analysis services for piping system and piping flexibility analysis. We conduct detailed piping stress analysis, evaluation, and confirmation of the structural & Operational integrity of process piping system.

In brief, clients come to us when they need high-quality work executed and documented to withstand the most rigorous reviews.

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