

ProSIM

engineering your designs

Delivering Value.

through

Engineering, Design, R&D



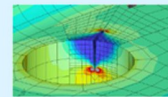
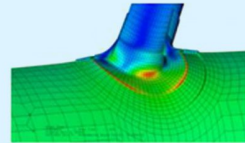
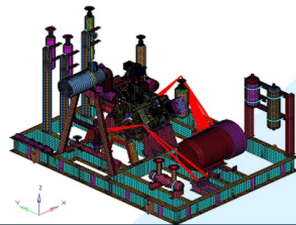
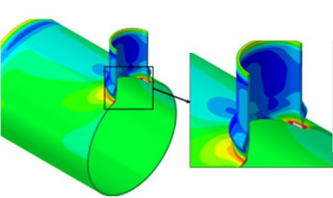
OIL & GAS SECTOR

enquiry@pro-sim.com

www.pro-sim.com

How our customers benefit?

- ▶ Third party engineering verification
- ▶ Engineering decisions on repair/ retire / replace in FFS/ RLA studies
- ▶ Speedy reports
- ▶ Skilled and experienced engineers pool,
- ▶ Expert advice



Systems / Equipment

Piping

Pressure vessels, Mounded tanks

Heat exchangers, reactors

valves

Pumps, compressors, blowers

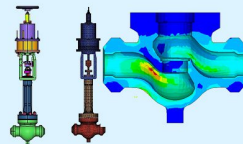
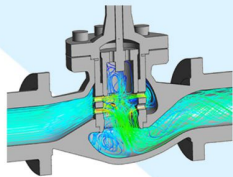
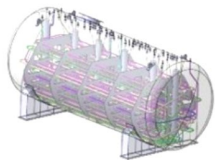
Off-shore structures

Submerged piping (underground / subsea)

Welded joints

All mechanical equipment in upstream,

mid-stream, down- stream.



Our Service Offerings

Structural Integrity Assessment

- ▶ Design Calculations
- ▶ Design documentation (2D/3D modelling)
- ▶ Computer Aided Engineering (CAE),
- ▶ Finite element analysis (FEA/FEM)
- ▶ Computational Fluid Dynamics (CFD)
- ▶ Seismic qualification studies

Code evaluation / qualification

(ASME B&PV, API, BS, EN, DNV, PD 5500 etc)

Fitness for Service (FFS)

Remaining life assessment and extension (RLA/ RLE)

Materials and Damage analysis

Fatigue, Creep, Fracture analysis
Failure analysis
Leak before break (LBB) studies

Expert advisory services

(forensic engineering) in legal proceedings/ arbitrations.

Some of our energy sector customer

Bharat Petroleum (BPCL), BARC, Cairn, Essar, Foster Wheeler (formerly AMEC), GE, Hindustan Petroleum (HPCL), IGCAR, L&T, NPCIL, NTPC, PetroGas, Punj Lloyd, Reliance, Shell, Sterling Wilson, Thermax,

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