

ProSIM is an approved engineering consultant with DAE (Dept of Atomic Energy) entities in India such as NPCIL, IGCAR, BARC, BHAVINI working along with their major EPCs and vendors. Internationally, ProSIM is part of ITER-IO projects via ITER-IN/EPC contractor.

Services :

- Design & Engineering - Mechanical, Civil and Electrical Engineering
- Design by rule & software based calculations
- Design modification and validation (FEM/ CFD/ MBD/ Durability/ Electro-magnetics etc)
- Remaining life assessment (lifing), Root Cause Analysis
- Seismic evaluation & re-evaluation
- Feasibility studies

Mechanical Engineering

- Structures, Systems and Components - Active & Passive Equipments of all seismic class
- Creep, fatigue and high temperature Creep-fatigue interaction studies
- Crack initiation and propagation studies
- Material modeling
- Standard & Special equipment (assembled & fabricated)
- Piping & supports
- Codes: ASME, RCC, IS, API

Civil Engineering

- Steel & RCC structures
- RCC main structure and slabs / RC framed structures resting on raft foundation
- Design of RC thick & thin wall structures resting on raft foundation
- Soil Structure interaction
- Retrofitting of structures
- Codes: ASCE 4-98, ACI 349, IS 1893 all parts. IS 456, IS 875, IS 13920 and all relevant Indian & international codes of practice.

Electrical Engineering

- DG sets with alternators
- Transformers
- Switches & Motors
- All switchyard equipment.
- Codes: IEEE, NEMA, IS, BIS, IEC, JIS, BS, etc.

ProSIM advantage:

- Decades of experience with multidisciplinary teams having highly qualified engineers with PhD / M Tech / MS level with diversified competencies in design, material knowledge, manufacturing and FEA techniques; ability to manage complex inter-disciplinary projects.
- Continuous improvement on documentation, processes, codes and standards
- In-house developed SOPs, best practices, quality check sheets
- In-house developed macros /scripts/sub-routines for evaluation
- Proven track record in working with multiple EPC players, clients, consultants
- Direct interactions with approving agencies to provide hassle free experience to our customers

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