

## **Anirban Dutta**

Mechanical Engineer, Specializing in Pipe Stress Analysis (Static & Dynamic) for Various Critical Piping Systems and Static Equipment of Oil & Gas, Petrochemical, Power and Steel & Metal Sectors.

Dynamic Project Manager; Had been the Project Engineering Manager for India's largest commissioned Blast Furnace - Blast Furnace 5 in Rourkela Steel Plant of SAIL, Sub-Critical & Super Critical Power Projects of NTPC, TATA Power, CESC, and many projects in Oil & Gas Sector for Clients like Qatar Petroleum, IOCL, HMEL, OIL, HPCL, BPCL, Valero Energy, Chalmette Energy, Enterprise Energy.

Elected State Committee Member of West Bengal State Centre of The Institution of Engineers (India) and Joint Honorary Secretary of West Bengal. Organized many national & international events and authored Technical Papers on various areas of design engineering and management.

### **Key Skills**

- Stress Analysis of Piping Systems, including Static and Dynamic Analysis
- Hydraulic Analysis (Steady State & Transient) and Pressure Drop Calculations
- Selection of Pipe Hangers & Supports, Piping Layout, Piping & Valves Materials Specifications
- Power Cycle Heat Balance Calculations, Design of Static Equipment including Pressure Vessels and Storage Tanks Finite Element Analysis
- Water System Basic, FEED and Detailed Engineering, Fire Protection & Loss Prevention System
- Project Feasibility Study, Detailed Project Report, Project Financial Estimations & Costing for Projects
- Management Inter-Discipline Coordination, Manpower & Resource Planning, Forecasting & Allocation, Training & Skill Development