



BUSINESS PRESENTATION

by

ENERGY TOTAL GROUP

An ISO 9001:2008 Certified Company)





WHO WE ARE :-

- ▶ **ENERGY TOTAL** Group is a Consortium of like-minded EPC Companies lead by Energy Total and managed by a team of highly repute and proven professionals from the industry, having extensive experience & expertise in their respective areas. The company has access to some best experts available in India as well as abroad.
- ▶ **ENERGY TOTAL** Group provides Services and Solutions in India and abroad for Management Operations, Project Management, Basic & Detailed Engineering,EPC Client's PMC, Procurement, Construction, Construction Management and Supervision, Manpower Services (Ready to Use) both ONSHORE as well as for OFFSHORE.



OUR CONSORTIUM PARTNERS :-

- ▶ Jiangxi Construction and Engineering Corporation Limited (Wah-Kong)-
<http://www.cjic.cn/>
- ▶ NIESBUD
<http://www.niesbud.nic.in/>
- ▶ Green Leaf Engineering Limited – <http://gel-world.com/>
<http://www.soloriensprojects.com/>
- ▶ Aether Engineering Solutions Pvt. Ltd. – <http://aetherengg.com/>
- ▶ Asha Consultancy Services - <http://www.acsbaroda.com/>
- ▶ Verita Energy Innovators Pvt. Ltd. - <http://www.veritalimited.com/>

OUR KEY PERSONNEL

SUMER JAIN



Designation- **CHIEF EXECUTIVE OFFICER**

Total Experience- 24 Years

Oil & Gas, Refinery, Petrochemical, Power, Cross Country Pipelines, Offshore Platforms, FPSOs, Drilling Rigs etc.



Part of Career History:

- ❖ Worley Parsons Engineering
- ❖ Bechtel Engineering
- ❖ Samsung Heavy Industries
- ❖ Larsen & Toubro Engineering
- ❖ Tractebel Engineering
- ❖ Reliance Industries Ltd.
- ❖ Engineers India Limited

OUR KEY PERSONNEL

R .P. Patel

Designation- General Manager Piping Engineering

Total Experience- **46 Years**

**Chemicals, petrochemical Pharmaplants,
Oil & Gas ,Cryogenic plants, Under/Above Ground
Pipeline, CS,GRP Pipeline.**

Part of Career History:

- ❖ Fluor Daniel India Pvt. Ltd.
- ❖ G S Engineering & Constructors Co.
- ❖ Valdel Engineers & Constructors Pvt. Ltd.
- ❖ Goyal MG Gases Pvt. Ltd.
- ❖ Jacobs H&G Pvt. Ltd.
- ❖ Parsurampuriah Synthetics Ltd.
- ❖ Kinetic Technology India Ltd.
- ❖ Shree Synthetics Ltd.
- ❖ Alembic Chemical Works Ltd.



OUR KEY PERSONNEL

Biman Roy Chaudhary

Designation- Civil Engineer (Structural)

Total Experience- **38 Years**

Project Management, petrochemical ,

Onshore and Offshore Oil & Gas , Civil Structure

Part of Career History:

- ❖ Sapurakencana Petroleum Berhad, KL
- ❖ Foster Wheeler OPE.(Upstream) KL.
- ❖ Carigali-Hess Opt Company.
- ❖ MMC Oil & Gas Engg. , KL
- ❖ Sarawak Shell Berhad, Miri





OUR KEY PERSONNEL

Biman Roy Chaudhary

- ❖ Technip Geoproduction, Kuala Lumpur
- ❖ Daewoo Shipbuilding & Marine Engg.(DSME), Korea
- ❖ Brown & Root ,Singapore.
- ❖ Far East Levingston Shipbuilding Ltd, Singapore
- ❖ Triune Projects Pvt.Ltd (TPPL).New Delhi
- ❖ Birla Gtm-Entrepose Ltd (An Indo-French JV) New Delhi
- ❖ Engineers India Ltd (EIL), New Delhi
- ❖ W. S. Atkins Ltd, Calcutta (W.S. Atkins & Partners, Surrey)

OUR KEY PERSONNEL

C.P. Shinghal

Designation- Mechanical Engineer

Total Experience- **40 Years**

Project Management, Rotating Equipments ,

Onshore and Offshore Oil & Gas

Part of Career History:

- ❖ Amec Foster Wheeler, UK .
- ❖ SAIPEM Triune Pvt Ltd.
- ❖ GS E&C, India Pvt Ltd. PETRONAS CARIGALI SDN BHD, KL, Malaysia



OUR KEY PERSONNEL



C.P. Shinghal

- ❖ Consolidated Contractors International Co. (CCC), Abu Dhabi, UAE.
- ❖ Bestwide Matrix SDN BHD, Kuala Lumpur, Malaysia.
- ❖ Triune Projects Pvt. Ltd.
- ❖ Worley Qatar WLL, Doha, Qatar.
- ❖ Akerkvaerner Petrominco Engineering Kuala Lumpur, Malaysia.
- ❖ Technip Malaysia, Kuala Lumpur, Malaysia.
- ❖ Brunei Shell Petroleum Co. (BSP).
- ❖ Engineers India Limited, New Delhi.

OUR KEY PERSONNEL



Navin Chander Bhatt

Designation- **Piping Engineer**

Total Experience- **23 Year**

**Chemicals, Petrochemical ,Oil & Gas, LNG,
Power, Fertilizers, CS,GRP Water Pipeline.**

Part of Career History:

- ❖ Simon India Ltd.
- ❖ CH2M HILL , India
- ❖ BECHTEL India
- ❖ KAZSTROY ENGG. INDIA PVT. LTD.
- ❖ FLUOR DANIEL INDIA PVT LTD.
- ❖ LARSEN & TOUBRO LIMITED

OUR KEY PERSONNEL



B. Basu

Designation- Environmental Engineering

Total Experience- **35 Years**

Environmental Management including various stages of activities for obtaining Environmental Clearance from MOEF.

Part of Career History:

- ❖ National Thermal Power Corporation , India.

OUR KEY PERSONNEL



P.K. Roy Chaudhary

Designation- **Piping Engineer**

Total Experience- **50 Years (40 years in Offshore)**

Chemicals, Petrochemical ,Offshore Oil & Gas

CS,GRP Water Pipeline.



Part of Career History:

- ❖ Bumi Armada Engineering.
- ❖ Samsung Heavy Eng. Co. Ltd.
- ❖ Hyundai Heavy Industries Co. Ltd, Ulsan, South .
- ❖ Triune Projects Pvt. Ltd, New Delhi.
- ❖ Petrotech Engineers India Ltd, New Delhi

OUR KEY PERSONNEL



P.K. Roy Chaudhary

- ❖ Petrokon Utama SDN BHD, Sultanate Of Brunei .
- ❖ Engineers India Ltd, New Delhi .
- ❖ ISGEC John Thompson Ltd.

OUR KEY PERSONNEL



Tushar Bandyopadhyay

Designation- **Piping Engineer**

Total Experience- **40 Year**



Engineering Management/ Project Management of

Large Onshore and Offshore Pipelines & Storage Systems - Crude Oil,
Petroleum Products & Natural Gas.

Part of Career History:

- ❖ Triune Energy Services Pvt. Ltd.,
- ❖ Indian Oil Corporation Ltd
- ❖ HAL – India (Hindustan Aeronautics Ltd), Lucknow Division

OUR KEY PERSONNEL



Mr. Avadh Kishore Jain

Designation- **Electrical Engineer**

Total Experience- **38 Years**

Electrical Design, Engineering, Procurement, Inspection & Erection for Fertilizers / Process Plant, Heavy water / Bulk Drug Plant, Utilities, Offsite, Captive Power Plant, Gas Pipe Line Project, CNG Stations and Proposal Engineering.

Part of Career History:

- ❖ Simon India Ltd.
- ❖ Tractebel Engineers And Constructors Pvt. Ltd.
- ❖ DLF Industries Ltd
- ❖ Humphreys & Glasgow Consultant Pvt. Ltd.
- ❖ M/S. Projects & Development India Ltd.

OUR KEY PERSONNEL



Mr. Arvind Kumar

Designation- Mechanical Engineer (Rotating & Static)

Total Experience- **25 Years**

- ▶ Oil and Gas Production (Offshore & Onshore), Refineries, Fertilizers , Petrochemical etc.

Part of Career History:

- ❖ Samsung Engineering India Pvt. Ltd., Noida
- ❖ Bechtel India Pvt. Ltd., Gurgaon
- ❖ Samsung Heavy Industries India Pvt. Ltd., Noida
- ❖ Worley Parsons, Abudhabi
- ❖ Samsung Heavy Industries, Korea
- ❖ Triune Projects Pvt. Ltd., New Delhi
- ❖ Projects & Development India Ltd., Noida





D Roy

Designation- **Electrical Engineer**

Total Experience- **21 Years**

Chemicals, Petrochemical , Oil & Gas .

Part of Career History:

- ❖ Projects & Development India Ltd.
- ❖ Larsen & Toubro Ltd., Faridabad
- ❖ Aker Powergas Pvt. Ltd., Mumbai.
- ❖ Linde Engineering India Pvt. Ltd.
- ❖ S K E & C India Pvt. Ltd., Gurgaon.



Mr. Lijo George

Designation- Instrumentation and Control Engineer

Total Experience- 11 Years

Chemicals, Petrochemical ,Oil & Gas

Part of Career History:

- ❖ SK E&C India Pvt. Ltd, Gurgaon.
- ❖ L&T Valdel Engineering Ltd.
- ❖ J. RAY. McDermott, Dubai.
- ❖ HEISCO, Kuwait.

OUR KEY PERSONNEL



Mr. Pradeep Kumar Suman

Designation- **HVAC Design & Engineering Professional**

Total Experience- **36 Years**

Oil & Gas Refinery, Mechanical and Building Services Industries for Consultant's and Design & Build Contractors on many varied Industrial, Pharmaceutical, Commercial & Residential .

Part of Career History:

- ▶ Samsung Engineering India.
- ▶ Foster Wheeler India Pvt. Ltd.
- ▶ ABB Ltd.
- ▶ Cushman & Wakefield India Pvt. Ltd.
- ▶ SRP Enviro System Pvt. Ltd.
- ▶ Arief Engineer's Pvt. Ltd.
- ▶ Puri Son's Engineer's Pvt.



Punam Lade

Designation- Process Engineer

Total Experience- **9 Years**

Design and Analysis of Process Design, Process Simulation

(HYSIS,HTFS,FLARENET), Heat and Material Balance, P&ID and PFD

Development

Part of Career History:

- ❖ Samsung Heavy Industries Ind Pvt. Ltd. , India
- ❖ University of Petroleum and Energy Studies
- ❖ Schlumberger , Aberdeen North Sea Geomarket Region

SOFTWARE USED BY US :-

- ▶ SMART PLANT 3D
- ▶ AUTO PLANT
- ▶ PDS
- ▶ PDMS
- ▶ SPP&ID
- ▶ SPR
- ▶ NAVISWORK
- ▶ PV ELITE
- ▶ ETAP
- ▶ AutoCAD
- ▶ AUTOPIPE
- ▶ PIPE PHASE



SOFTWARES USED BY US :-

- ▶ MICROSTATION
- ▶ HTRI
- ▶ CAESER II
- ▶ CADPIPE
- ▶ INTOOLS
- ▶ INSTRUCAL
- ▶ STAAD PRO
- ▶ SACS
- ▶ X- STEEL
- ▶ HYSIS
- ▶ PRO II
- ▶ PRIMAVERA P6



LITERATURE :-



- ▶ ASME
- ▶ API
- ▶ IS
- ▶ DIN
- ▶ BS
- ▶ AWWA
- ▶ TEMA
- ▶ API 650 (Vertical Storage Tank)
- ▶ API 620 (Vertical Cryogenic Storage Tank)
- ▶ API 560 (Fired Heater)
- ▶ PIP (Process Industries Practices)



NATURE OF SERVICES :-



- ▶ Preparation of Basic Design & Detailed Engineering Calculations and Drawings for Process, Piping, Mechanical, Civil, Structural, Electrical, Instrumentation & Telecom, Cross-Country Pipeline for On-shore and Off-shore etc..
- ▶ All types of Design Calculations, Stress Analyses and FEA (Finite Element Analyses) for piping, civil- structural, chemical plant equipment, pressure vessels, heat exchanger etc.
- ▶ Fabrication Drawings with End Detailing etc..

NATURE OF SERVICES :-



- ▶ Vendor Management and Vendor Drawing Review
- ▶ Procurement Engineering Services
- ▶ PMC Services including setup of project Management office for client ,
Consultants and contractor / vendor etc..
- ▶ Project Controls Services



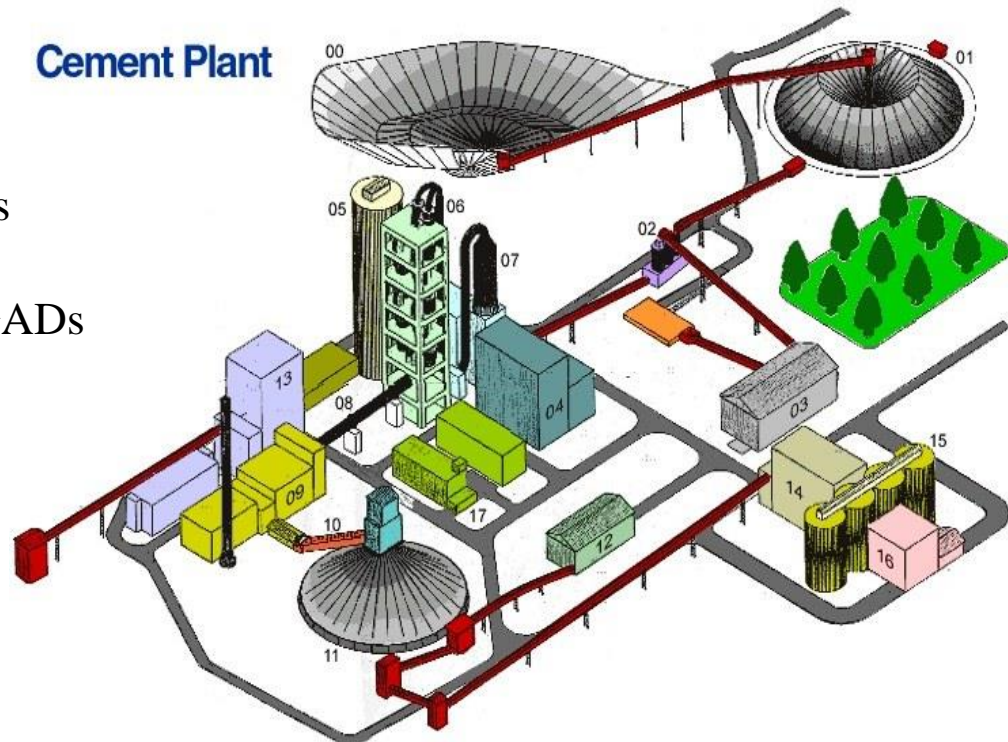
NATURE OF SERVICES :-



PREPARATION , REVIEW / INSPECTION OF

- ▶ Plant layout
- ▶ Process Flow Diagram (PFD) & P&IDs
- ▶ Plot Plan, Equipment Layout, Piping GADs
- ▶ Drawings with Support Marking
- ▶ Isometrics with Bill Of Material

as per Site / Shop



continued..

NATURE OF SERVICES :-

PREPARATION , REVIEW / INSPECTION OF

- ▶ Fabrication Drawing,
Equipment drawings
- ▶ As-Built Plant



NATURE OF SERVICES :-

TRAINING & SOLUTIONS

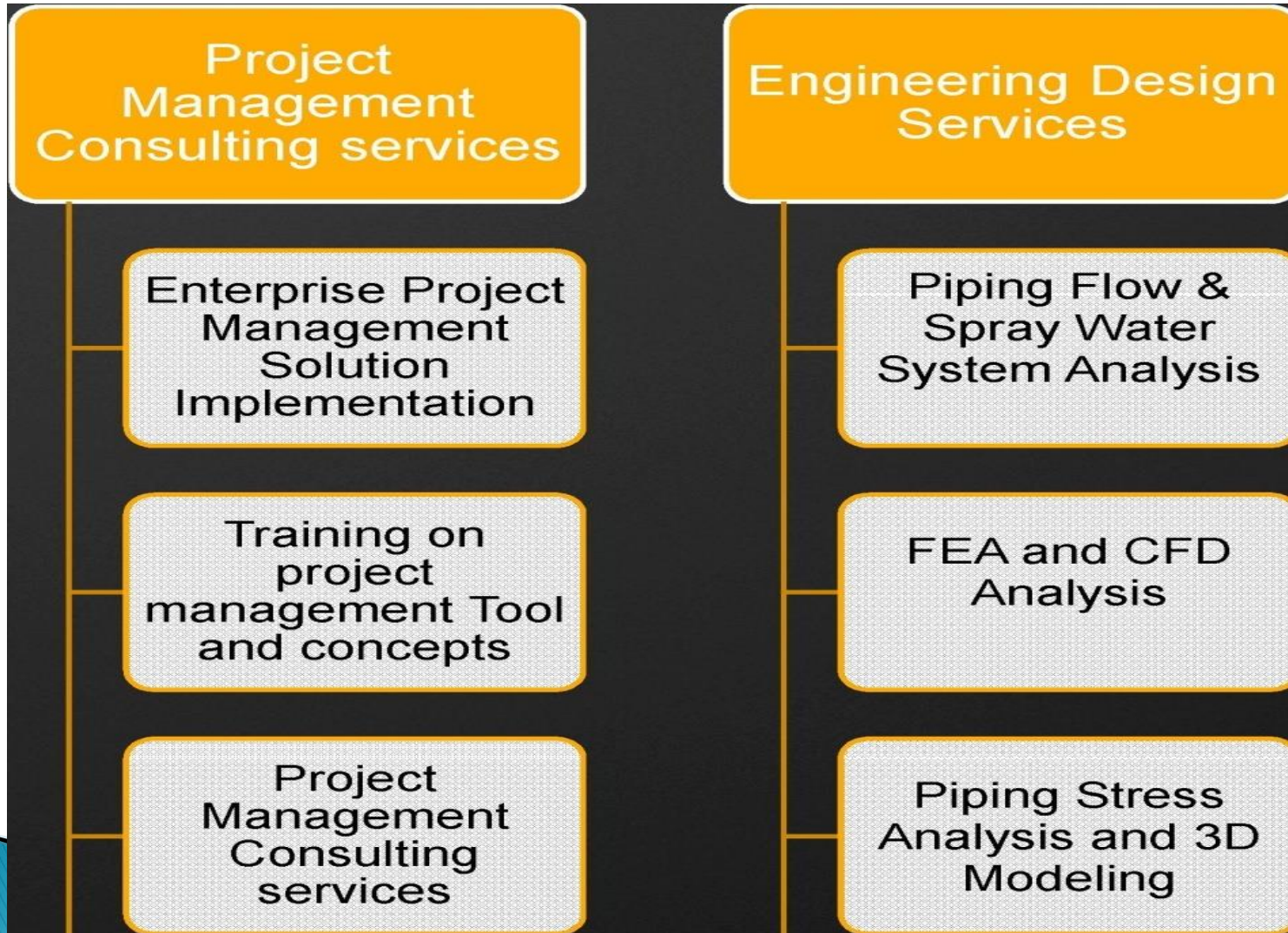
- ▶ Trained Manpower for Engineering and Management Services at Office / Plant

(India & ABROAD)

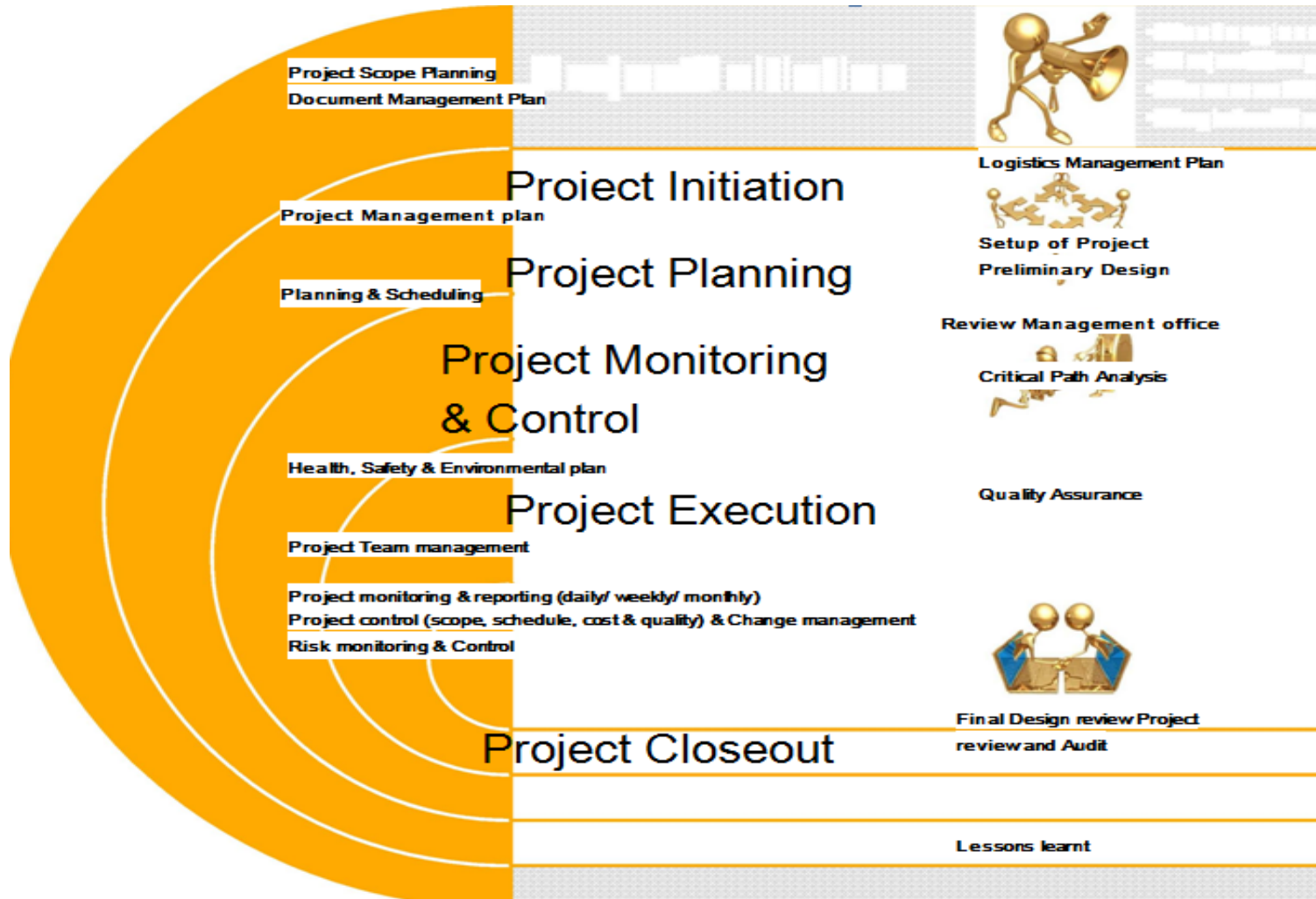
- ▶ TRAININGS and SOLUTIONS for all
Engineering disciplines and
Management operations for EPC Projects



SOLUTIONS & SERVICES:-



PROJECT MANAGEMENT SERVICES



SETTING PROJECT MANAGEMENT OFFICE



PROJECT MANAGEMENT CONCEPT TRAINING



- Project Management Overview
- Project Management Process
 - Groups Training
- Project Management Best Practices
- Building a Project schedule
- Project Quality Management
- Project Risk Management
- Project Scope Management
- Project Time Management
- Project Communication Management
- Project Cost Management
- Project Integration Management



PROJECT MANAGEMENT TOOLS TRAINING



- Enterprise Project Management (EPM)
- Enterprise Project Management
- Administrator Training
- Primavera P6
- Primavera P3
- Primavera Contract Manager
- My Primavera



ENGINEERING CONCEPTS TRAINING WITH TOOLS APPLICATION



Piping Design Engineering Training

Piping Stress Analysis Training

Pressure Vessel Design Training

Tankage Design Trainings

Piping Flow Analysis Training

Fire Fighting Hydraulics Training

Flow Transient Training

AutoCAD/AutoCAD Mechanical Training

AutoCAD Inventor Training

Gas Network Training

3D Plant Design on ProCAD



ENGINEERING SOFTWARES TRAINING



Pipe flow analysis - PIPENET standard (Design of Pipe and Duct Networks - Cooling Water Systems, Steam Distribution Systems, HVAC Systems)

Fire Fighting system design - PIPENET Spray/Sprinkler (design of fire protection systems especially in the oil & gas and process plant industries - deluge, ring-main, sprinkler or foam concentrate systems)

Surge Analysis - PIPENET Transient (unsteady flow calculations for 'Water Hammer', 'Steam Hammer', control systems and hydraulic forces for pipe stress analysis)

Tank design- E Tank

City Gas Distribution network design - Gasworks

Autodesk - AutoCAD

Autodesk -AutoCAD Mechanical

Autodesk -AutoCAD Inventor



EXPERIENCE AND PARTIAL OFFSHORE PROJECT INVOLVEMENT LIST



- ▶ GAZFLOAT –SSFDR – DETAILED ENGG FOR HULL & LQ
- ▶ FLEX LNG –FEED VERIFICATION
- ▶ GFPSO – TOPSIDE FEED VERIFICATION
- ▶ ONGC SAGAR SAMRAT (MOPU) FPSO TOPSIDE
- ▶ EGINA FPSO FOR TOTAL –HULL & TOPSIDE

EXPERIENCE AND PARTIAL CLIENT / PROJECT LIST



Client:- CAIRN India Limited

Engineering Contractor:- Energy Total

Project:- Quick Production Facility of Satellite Oil Fields in India

Status:- Successfully Completed

Job Involves:-Preparation of FEED Package incl DB & DS, Simulation, P&IDs, Data Sheets and Drawings etc..

EXPERIENCE AND PARTIAL CLIENT / PROJECT LIST



Client:- M/s. RELIANCE INDUSTRIES LTD HAZIRA.

Consultant:- M/s. STONE AND WEBSTER.

Contractor:- M/s. L&T ECC LTD - BARODA.

Project:- POLYPROPYLENE PLANT.

Our Consultant:- M/s. Krish Venture. Baroda.

Status:- Completed

Job Involves:- Preparation of Small Bore **Piping** Isometrics with Bill of Materials from G.A. Drawing on AutoCAD.

Client:- M/s. O.N.G.C. - GANDHAR.

Consultant:- M/s. ENGINEERS INDIA LTD.

Contractor:- M/s. NICCO CORPORATION LTD.

Our Consultant:- M/s. Gaurav Construction. Baroda.

Status:- Completed

Job Involves:- Preparation of **Piping** Isometrics with Bill of Materials from G.A.



EXPERIENCE AND PARTIAL CLIENT LIST

Client:- M/s. TORRENT BIOTECH LTD - JAMBUSER.

Consultant:- M/s. UHDE LTD - BOMBAY.

Contractor:- M/s. NEWTON ENGG. & CONST. CO. LTD.

Project:- PENICILLIN G PLANT.

Our Consultant:- M/s. Newton Engg. And Const. Co. Ltd. Brd.

Status:- Completed

Job Involves:- Preparation of **As-Built Piping** Isometrics & Support Marking With

Client:- M/s. THE SOUTHERN PESTICIDES

CORPORATION LTD. KOOVUR, A. P.

Consultant:- M/s. PROJECT TECHNOLOGISTS PVT. LTD.

Project:- INTEGRATED PESTICIDE PROJECT (ACEPHATE, QUINALPHOS & MONOCROTOPHOS.)

Our Consultant:- M/s. Project Technologists Pvt. Ltd. Baroda.

Status:- Completed

Job Involves:- Design & Detailing of Equipment Layout, Equipment Layout Section, **Piping** General Arrangement [G.A.] with Support Mark, Tank Farm CCE Approval, Rack Layout, Bulk BOQ for Material Tack-Off, IBR System Isometric, Stress Analysis, Isometrics with BOQ, Support Specification with BOQ, Painting Specification, Insulation Specification with BOQ. Etc. on



EXPERIENCE AND PARTIAL CLIENT LIST

Client:- M/s. ASHAPURA VOLCLAY LTD. AT LER, BHUJ, (KUTCHH)

Consultant:- M/s. PROJECT TECHNOLOGISTS PVT. LTD.

Project:- BLEACHING CLAY PROJECT.

Our Consultant:- M/s. Project Technologists Pvt. Ltd. Baroda

Status:- Completed

Job Involves:- Design & Detailing of Equipment Layout for factory Approval, Equipment Layout Section, **Piping** General Arrangement [G.A.] with Support Mark, Tank Farm CCE Approval, Rack Layout, Bulk BOQ for Material Tack-Off, IBR System Isometric, Stress Analysis, Isometrics With BOQ., Support Specification with BOQ, Painting Specification, Insulation Specification with BOQ. Etc. on Computer / Desktop.

Client:- M/s. POLYCHEM LTD - RANOLI

Consultant:- M/s. POLYCHEM LTD - RANOLI

Status :- Completed

Job Involves :- A) Design & Detailing of **Civil Structure** Scope Drawing for Beam, Bracing & Column. Etc. for Vessels. (Revamp Plant)

B) Preparation of Shop Fabrication Drawing on the basis of above drawing on AutoCAD & supporting **structure**.



EXPERIENCE AND PARTIAL CLIENT LIST

Client:-M/s. MARDIA CHEMICALS LTD - AHD **Consultant:**-M/s. TICB LTD. - MUMBAI.

Project:- CHLORINE CAUSTIC SODA PLANT. **Our Consultant:**- M/s. Newton Engineering & Construction Co. Ltd.

Job Involves :- A) Preparation of **Civil Structure** Scope Drawing for Pipe Rack, Platform, Shed Building structure, Tower **structure**
B) Preparation of Shop Fabrication Drawing on the basic of above drawing.

Client:-M/s. I.O.C.L. - TALOJA **Consultant:**-M/s. DALAL CONSULTANTS AND ENGG. LTD. MUMBAI.

Project:- SPECIALLY LUBE & ADDITIVE COMPLEX. **Our Consultant:**- M/s. Industrial Engineering Services. Vadodara. **Status :-** Completed

Job Involves :- Preparation of **Civil-Structure** Scope Drawing for Pipe Rack, Platform, Shed Building structure, Tower **structure**.



EXPERIENCE AND PARTIAL CLIENT LIST

Project:- HIMALAYA.

Our Consultant:- M/s. Industrial Engineering Services. Vadodara. *Status :-* Completed

Job Involves:- A) Preparation of **Civil Structure** Scope

Drawing for Pipe Rack, Platform, Shed Building structure, Tower **structure.**

B) Preparation of Shop Fabrication Drawing on the basic of above drawing.

Client:- M/s. RELIANCE PETROLEUM LTD. - JAM. *Consultant:-* M/s. BECHTEL INDIA LIMITED - GURGAON *Project:-* REFINARY PROJECT.

Our Consultant:- M/s. Shon Software's Pvt. Ltd. Vadodara.

Status :- Completed

Job Involves:- A) Preparation of **Civil-Structure** Scope

Drawing for Pipe Rack, Platform, Ladder, Shed Building **structure,** Tower

structure. B) Preparation of Shop Fabrication Drawing on the basic of above drawing.



EXPERIENCE AND PARTIAL CLIENT LIST

Client:- M/s. I.O.C.L. - VADODARA **Consultant:-** M/s. TOYO ENGINEERING INDIA LTD

Project:- BUTEN - I PROJECT.

Our Consultant:- M/s. Anwasha Comtech Engineering Pvt. Ltd. Vadodara.

Status :- Completed

Job Involves:- A) Design of Platform & Preparation of Column, Circular Platform **Structure** Fabrication Drawing.

B) Preparation of Shop Fabrication Drawing on the basic of above drawing

Consultant:- M/s. NILA BAUART ENGINEERING LTD. - BRD.

Status :- Completed

Job Involves:- A) Estimation of Quantity of Major Item for following sump.

1. 1000M3 Open Sump. Seahore.
2. 4000M3 Open Sump. Rajola Bypass
3. 8000M3 Open Sump & Pump. Vallbhipur
4. 8000M3 Open Sump & Pump. Budhel.



EXPERIENCE AND PARTIAL CLIENT LIST

Client:-M/s. WANTOTIK CLAY PRODUCTS AT MALAYSIA.

Consultant:-M/s ARAS ASSOCIATES - BARODA

Project:- FULLER EARTH PROJECT

Status :- Completed

& Detailing of Equipment Layout for factory approval, Equipment Layout Section, Piping General Arrangement [G.A.] with Support Mark, Tank Farm Approval, Rack Layout, Bulk BOQ for Material Tack-Off, IBR System Isometric, Stress

Client:-M/s. L&T-CHIYODA LIMITED. - BRD. **Project:**-IOCL SDU PROJECTS (ASSAM REFINERY) **Status :-** Completed

preparation of As Built Piping GAD'S & Isometrics in Micro-station.



EXPERIENCE AND PARTIAL CLIENT LIST

Client; NTPC

Project; Environmental Clearance

Status; Complete

Details; Pre environmental clearance

- site selection,
- framing of specifications for different studies,
- conducting Environmental Impact Assessment(EIA) Studies,
- liaison with Pollution Control Boards and Ministry of Environment and Forests.
- Presenting NTPC projects in Public Hearing Forum and expert Committee of MoEF leading to Environmental Clearances of Projects.



EXPERIENCE AND PARTIAL CLIENT LIST

Client; SCOP, IRAQ.

Project; Karbala Refinery Project

Status; Complete

Details; Design, Engineering, Construction of Refinery for SCOP, IRAQ.

Client; ONGC.

Project; HRP-II 3 Well Platform Project.

Status; Complete

Details; Design, Engineering and installation of three wellhead platforms.



EXPERIENCE AND PARTIAL CLIENT LIST

Client; MODEC.

Project; MV-24 (FPSO)

Status; Complete

Details; Engineering for GTG module.

Client; ONGC.

Project; KARAN Gas Field development offshore platforms and subsea pipelines project.

Status; Complete

Details; SAUDI ARAMCO.



EXPERIENCE AND PARTIAL CLIENT LIST

Project	Details
ONGC-OPAL HDPE, Dahej, India	Basic & Detail Engg.for HVAC package of HDPE Project
ONGC-OPAL DFCU, Dahej, India	Detail Engg.for HVAC package of HDPE Project
Mundra LNG, Proposal Work	All proposal work for HVAC Package.
Lubref's Yanbo Refinery Expension Project (Saudi Aramco)	MR for HVAC package of HDPE Project ITB & Codes Review, Data Sheet, Vendor Print Check, etc.
Lubref, Saudi Aramco	MR for HVAC package , ITB & Codes Review, Data Sheet, Vendor Print Check, etc.
Iraq Badra Refinery	HVAC 3D Modeling & Engineering <u>MR</u> , VP review.



EXPERIENCE AND PARTIAL CLIENT LIST

Project

Details

IOCL, Paradip Refinery & Petrochemical Complex	Basic & Detail Engg.for HVAC package of Refinery & Petrochemical Complex
Pluto LNG	FEED Engg.for HVAC package of LNG Plant.
Shell Haven, London	Detail Engg.for HVAC package of Petrochemical Complex
ONGC FETC , Dahej	PMC & inspections of HVAC package of the project at Dahej, Gurgrat
ONGC C2/C3 Project, Dahej	PMC & inspections of HVAC package of the project at Dahej, Gurgrat
SCOP New Nassiriya Refinery, Iraq	FEED Engg.for New Refinery set-up, 32 No. Buildings HVAC package



EXPERIENCE AND PARTIAL CLIENT LIST

Project

Details

Semi-Submersible Floating Drilling Rig For Gazflot, Russia.	Basic & Detail Engg.for HVAC package of Living Quarters & Hull, HVAC system 3D Modeling by PDMS, POS,RFQ,TBE & Vendor Data Review
ONGC, MHN Platform, India	Pre-Bid Engg.for HVAC package of Living Quarters & Utility Area
Goliat, FPSO, Norway	Pre-Bid Engg.for HVAC package of Living Quarters, Utility Building, Central Shaft & MSBA Area
Stena-IV Drillship, Norway	Detail Engg.for HVAC package of Topside, HVAC system 3D Modeling by PDMS Worked in Shipyard for HVAC Activities



EXPERIENCE AND PARTIAL CLIENT LIST

Project

Details

Panacea Biotech Plant at Baddi.H.P.India	HVAC Design Qualification Documents (DQ,PQ,OQ)
Torrent Pharmaceutical Plant at Baddi.H.P.India	Basic & Detail Engg.for HVAC package, HVAC Design Qualification Documents (DQ,PQ,OQ)
Reliance Pharmaceutical Plant at Navi Mumbai. India	Basic & Detail Engg.for HVAC package, HVAC Design Qualification Documents (DQ,PQ,OQ)
Tata Motors Ltd.,Lucknow, India	Basic & Detail Engg.of HVAC package for Bus Manufacturing Production Floor.
Maruti Udyog Ltd. at Manesar, Haryana	Detail Engg.of HVAC package for Car Manufacturing Production Floor.
Dumex Dairy Plant, Ludhiana,India	Detail Engg.of HVAC package for Dairy Plant
Delhi Metro Corporate Office	Detail Engg.of HVAC package for Corporate



EXPERIENCE AND PARTIAL CLIENT LIST

- ▶ Detail engineering, support to procurement for 200,000bpscd capacity CDU/GOHDS/KHDS/SWS for Nigh Son Refinery project, Vietnam.
- ▶ Engineering, Procurement and Construction of Offsite & Utility facility of 2.5MMT of Strategic Crude Oil Storage Facility for M/S ISPRL at Padur, Karnataka, India.
- ▶ Prepared enquiry specifications, Technical bid evaluations, Purchase requisitions, Vendor drawing review of major electrical equipment like Distribution transformer, DG set, CCTV system, Cathodic protection system.
- ▶ FEED & Detail engineering for 54LTPA & 540LTPA catalyst Plant at panki, India for M/S Johnson Matthey Chemicals India Pvt Ltd.
- ▶ Prepared basic FEED package, developed Electrical power distribution system, prepared of enquiry specifications, Technical bid evaluations, Purchase requisitions, Vendor drawing review of major electrical equipment like Distribution transformer, DG set, MV Bus Duct, AC UPS, Battery & battery charger, Review of power/earthing/lighting layouts, Manhour estimation for detail engineering etc.



EXPERIENCE AND PARTIAL CLIENT LIST

- ▶ Detail engineering for TUPI Pilot FPSO, Santos Brazil for MODEC
- ▶ Responsibilities involved, review of power/earthing/lighting layouts, Preparation of bulk MTO, cable schedule etc.
- ▶ Detail engineering for PGM salts plant at Macedonia for Johnson Matthey Chemicals, UK.
- ▶ Responsibilities involved development of 3D cable route in PDMS.
- ▶ System study and Motor acceleration study for DCU plant for Essar Oil Ltd. Vadinar refinery, Gujarat.
- ▶ System study and Motor acceleration study for FCCU plant for Essar Oil Ltd. Vadinar refinery, Gujarat.
- ▶ Short circuit study and relay coordination for Antilia residence for REAL, Mumbai.



EXPERIENCE AND PARTIAL CLIENT LIST

- ▶ Pre-bid engineering for Qatar shell GTL project (Onshore gas processing facility), at Ras Lafaan, Qatar
- ▶ Prepared schedule of quantities of major equipments, bulk items, preparation of enquiry specifications for getting budgetary prices of major equipments etc.
- ▶ Pre bid engineering for VGO-HDT unit-IOCL, Vadodara, India.
- ▶ Coordination activity for Melaka Gr III Lube Base Oil Project, Petronas, Malaysia.



EXPERIENCE AND PARTIAL CLIENT LIST

- ▶ Detail engineering for TUPI Pilot FPSO, Santos Brazil for MODEC
- ▶ Responsibilities involved, review of power/earthing/lighting layouts, Preparation of bulk MTO, cable schedule etc.
- ▶ Detail engineering for PGM salts plant at Macedonia for Johnson Matthey Chemicals, UK.
- ▶ Responsibilities involved development of 3D cable route in PDMS.
- ▶ System study and Motor acceleration study for DCU plant for Essar Oil Ltd. Vadinar refinery, Gujarat.
- ▶ System study and Motor acceleration study for FCCU plant for Essar Oil Ltd. Vadinar refinery, Gujarat.
- ▶ Short circuit study and relay coordination for Antilia residence for REAL, Mumbai.



EXPERIENCE AND PARTIAL CLIENT LIST

- ▶ SAKHLIN-1 OIL & GAS Development Project, RUSSIA.ODOPTU STAGE-2
- ▶ Gasification Plants for RIL, Jamnagar
- ▶ Rabigh Phase II Petrochemical at Saudi Arabia
 - Project Area P210 – MTBE/ISOBUTAIL PLANT
 - P220 – METATHESIS PLANT
- ▶ Ruwais Refinery Expansions Hydro treating Unit, NGL Unit.
- ▶ KNPC, Mina Ahmadi Refinery, Kuwait
- ▶ M4A New – AGRP/AGRP Revamp Feed Project
- ▶ UGCC Project Akchalak Uzbekistan
 - Polypropylain Unit (387 KTA of Polyetylylene,
 - 2 Unit, GAS Separation Unit (476 mmscf) utility & off site facilities.
- ▶ AbuDhabi LNG Gas Ind. Ltd. (GASCO) Pipeline & pumping stations.



EXPERIENCE AND PARTIAL CLIENT LIST

- ▶ Conoco Phillips Trainer Refinery Pannsylvania (P.A.) HF Alkyltion Unit ReVAP Project Houton.
- ▶ Detail Engineering Project – PDH – Propane
- ▶ Dehydro Generation Unit capacity – 500000 MTA for PL Propylene, Houston Texas (Petrologistic)
- ▶ KAFCO Aviation Fuel storage & Handling grass route Project. Kuwait as per KNPC Engg. Standard
- ▶ Texas Petrochemicals, LP-Zenith Project (PIB Unit)
- ▶ 200 TPD N₂, O₂, & Argon Liquid & Gas plant Asansol for Steel Authority of India Ltd.
- ▶ 100 TPD N₂, O₂, & Argon Liquid & Gas plant Durgapur for Steel Authority of India Ltd.
- ▶ 100 TPD N₂, O₂, & Argon Liquid & Gas plant Raipur for Steel Authority of India Ltd.



EXPERIENCE AND PARTIAL CLIENT LIST

- ▶ Reliance Ind. Ltd. VCM Plant, Hazira.
- ▶ Thai Organic chemicals Co. Ltd. 1000TPA, Epichlorohydrin Thailand.
- ▶ Mysore Petrochemicals Ltd. Malec Anhydride Plant Talaja.
- ▶ IOCL, Mathura DHDT/MSQ Up gradation Project.
- ▶ Mitsubishi Heavy Ind. Menthol Plant (S.A.)
- ▶ Continental Carbon India Limited, Ghaziabad (Carbon Back Plant)
- ▶ Durala Organic Chemicals Limited (Chemical Plant)
- ▶ India Glycols Limited, Kashipur (Glycol Ether & Alcohol Plant)
- ▶ Oswal Chemicals & Fertilizers Limited, Paradeep, Orissa.
(3500x2 TPD Sulphuric Acid Plant)
- ▶ Jublliant Organoyse Ltd., Gajrolla – ACE-DEKT & 4DMAP Chemical plant
- ▶ Stone & Webster Engg. Corp. (U.S.A.) Thermal Power Plant Vietnam
- ▶ PPN Thermal Power Plant, Chennai. (Turbine & HP steam piping)
- ▶ Rama Ind. Ltd., Lalru, Gelatin Plant
- ▶ Sirum Institute India Ltd., Pune– Anticancer & Vaccine Formulation plant



EXPERIENCE AND PARTIAL CLIENT LIST

- ▶ Reliance Life Science, New Mumbai – Plasma Protein & Cone fraction, Formulation & API plant.
- ▶ Ranbaxy Lab. Ltd., Pongasahib, Mohali & Davas Formulation & API plant
- ▶ Torrent Pharma Ltd., Kalol – API plant
- ▶ Torrent Pharma Ltd. Baddi- Formulation/USFDA Plant
- ▶ Poly condensation Plant, DT Plant, Spinning Plant, Poly Recovery Plant, All utility Plant, etc.
- ▶ National Organic Chemicals Limited, Mumbai - Naph Cracking Furnace (temp.500°C)
- ▶ Gujarat State Fertilizer Limited - Ammonia Reformer
- ▶ Indo Gulf Fertilizer Company, Jagdishpur - CO Plant
- ▶ National Organic Chemicals Limited, Mumbai - H₂ Plant Ethylene Cracking Furnace.
- ▶ Penicillin Plant, Carbonyl Plant, Phosgene Plant, Pepsin Hydro Chloride Plant, Sulphuric Acid Plant, Pesticide Plant
- ▶ Neomer Limited - Polypropylene Project
- ▶ West heat Boiler Plant



EXPERIENCE AND PARTIAL CLIENT LIST

- ▶ HPCL, Mumbai – Modification in Fire Heater / Existing Refinery piping at site.
- ▶ Kerla Drugs and Pharmaceuticals , Aspirin & salicylic Acid
- ▶ Steel Authority of India Limited, Inert Gas Recovery Plant
- ▶ Hydrogen & CO₂ Plant, Indonesia
- ▶ BPCL, Mumbai – Modification in Fire Heater / Existing Refinery Piping at site.
- ▶ IOBL, Mumbai – Detail Engineering for Grease Plant & its Piping.
- ▶ IPCL, Vadodara – Modification in Existing Piping of Petrochemical complex in different units.

- ▶ HOC, Mumbai – Detail Engineering for H₂ Plants & Piping arrangements.
- ▶ Poly Condensation, D.T. Plant, Spinning Plant, Poly Recovery Plant, Boiler House, D.M. Plant, Air Compressor House



EXPERIENCE AND PARTIAL CLIENT LIST

- ▶ UGAA Project - SABIC/SAFCO, Saudi Arabia
- ▶ Caustic Soda Project – MFL, India
- ▶ CHEMINOL Project, Saudi Arabia
- ▶ CNG station – GAIL, GSPC, BPCL
- ▶ Gas Pipe Line Project – GAIL
- ▶ Gas Pipe Line Project – GSPL
- ▶ 30 MW Power Plant – GEPL
- ▶ 3 x 5 MW Hydro Power Plant – BHEL
- ▶ 3 X 25 MW, 11 KV Steam Turbine Generator – Mangalore Refinery and Petrochemicals Ltd. Phase II.
- ▶ 1 X 24.5 MW & 1 X 10.5 MW, 11 KV Steam Turbine Generator – Indogulf Fertilizers.
- ▶ 2 X 3.5 MW Steam Turbine Generator – Kudremukh Iron and Steel company Ltd., Mangalore.



EXPERIENCE AND PARTIAL CLIENT LIST

- ▶ 1 X 7 MW, 11 KV Steam Turbine Generator – Andhra Sugar Ltd.
- ▶ 2 X 3 MW Gas Turbine Generator & 1 X 3 MW Steam Turbine Generator – A.S.E.B. (Adamtila, Assam)
- ▶
- ▶ 3 X 3 MW Gas Turbine Generator & 1 X 5 MW Steam Turbine Generator – A.S.E.B. (Baskandi, Assam)
- ▶ 1 X 3 MW Gas Turbine Generator - ONGC, (Lakwa, Assam)
- ▶ Tata Fertilizer Project, Barbala
M/s Snam Progetti, Milan Italy – Main Consultant
This fertilizer project comprised of 1350 tpd ammonia and
2 x 1125 TPD urea plant based on natural gas as feedstock, consuming 20 MW
electric power.
- ▶ M/s Pyrites Phosphates & Chemicals Ltd., Amjhore
33 KV Switchyard and Indoor Substation



EXPERIENCE AND PARTIAL CLIENT LIST

- ▶ M/s Indogulf Fertilizer & Chemical Corp., Jagdishpur
M/s Snam Progetti, Milan Italy – Main Consultant
This fertilizer project comprised of 1350 tpd ammonia and 2 x 1100 tpd urea plant based on natural gas as feed stock, consuming 20 MW electric power.
- ▶ Oral Polio Vaccine project
M/s Bharat Immunologicals & Biologicals Corporation Ltd. Bulandshar (U.P.)
Capacity – 100 Million oral polio vaccine doses per year.
- ▶ Heavy water project, Thal 100KV Switchyard, Indoor Substation and Plant
- ▶ M/s National Fertilizer Project, Guna 132 / 11 KV Outdoor Switchyard.
- ▶ M/s Rashtriya Chemicals & Fertilizer Project, Trombay Ammonia & Urea Plant



EXPERIENCE AND PARTIAL CLIENT LIST

- ▶ Detailed Engineering of Multiple Cross Country High Pressure Gas Pipelines of Gas injection facility of North Kuwait field of KOC.
- ▶ Detailed Engineering of Inter Refinery Transfer Product Pipelines between MAA, Shuaiba and MAB Refineries of KNPC, Kuwait consisting of 24", 20", 14", 8" & 6" pipelines (Challenging Brown Field Project).
- ▶ Detailed Engineering for Pipeline Protection for 31 Pipeline crossings for proposed railway track for HIPL, Dahej.
- ▶ Detailed Engg of Onshore Crude oil Unloading Terminal Facility of Indian Oil Corporation at Paradip to handle 30 MMTPA Crude Oil.
- ▶ Detailed Engineering for 30" dia 60 Km Gas pipeline project of GTCL, Bangladesh consisting 6 major HDD crossings.
- ▶ Detailed Engineering for 12" dia 105 Km HDPL Pipeline Project of GSPL including MLV stations.
- ▶ Detailed Engineering for HDPL Extension Project of Reliance Industries.



EXPERIENCE AND PARTIAL CLIENT LIST

- ▶ Detailed Engineering for Crude oil Trunk Pipeline Project (60 Kms) at Karaikal for ONGC
- ▶ Detailed Engineering for KJ#3 GCS to Ramnad GGS Gas Transmission & Up-gradation Project at Tamilnadu for ONGC
- ▶ DFR and Basic Engineering for New 24” dia. Submarine Pipeline of HPCL VVSPL at Vizag, Andhra Pradesh, India requiring wall thickness calculation as per DNV code and detailed specification of Pipe, valve, Scraper barrel, OF communication system, Marine unloading arm , Monoblock insulating coupling etc.
- ▶ DFR and Basic Engineering of Kakinada-Dadri Natural gas pipeline 1600 km including Industrial and city gas tap-off for Reliance Power.
- ▶ DFR and Basic Engineering for ATF Pipeline of 10” dia.59km from Bahadurgarh to Delhi Airport for Hindustan Petroleum Corporation Ltd.
- ▶ DFR and Basic Engineering of Natural Gas Spur pipeline of 30” dia of 45 km for Samalkot Power plant of Reliance Power.



EXPERIENCE AND PARTIAL CLIENT LIST

- ▶ DFR and Basic Engineering for Heat Traced Crude Vegetable Oil pipeline of 46km for Adani Project.
- ▶ DFR and Basic Engineering of Surat- Paradip Natural gas pipeline (1490 km) for Gujarat State Petronet Ltd.
- ▶ DFR for 4 Natural gas Pipelines (Kakinada-Haldia; Kakinada –Chennai; Chennai-Tuticorin; Chennai-Bengaluru-Mangalore) for Reliance Logistic (Total 2000km)
- ▶ DFR and Basic Engineering for Capacity Augmentation of 560 km of Mumbai – Pune – Solapur Pipeline Project of HPCL.
- ▶ PMC for 30” dia Crude pipeline connectivity over sea creak at BPCL, Cochin.
- ▶ Pre-bid engineering for 24” dia. 60 Km Iraq pipeline project
- ▶ Pre-bid engineering for 8-32” dia. 50 Km Amine Water Injection pipeline projects of PDO.



EXPERIENCE AND PARTIAL CLIENT LIST

- ▶ Salaya – Mathura Pipeline (SMPL), length – 1870 Km, dia –28”/24”/18”;
additional Crude storage
- ▶ Tanks 18 nos of 80 M dia and height 13.4 to 18.5 M with 11 nos Intermediate
booster station having installed pumping power ranging 3*2500 HP- 3*3000HP at
each station.
- ▶ Mathura – Jullundhar Pipeline (MJPL), length – 763 Km, dia –16”/14”/12.75” &
design of Pumping units and station piping. Commissioned in 1980.
- ▶ Koyali – Viramgam –Sidhpur –Sanganer Pipeline (KVSSPL) – length – 788 Km,
dia – 18” /10.75.
- ▶ Haldia- Barauni Crude oil Pipeline (HBCPL)-Length-500km ,dia -18”, installation
of 3*3000HP pumping units each at Haldia and Bolepur & erection of 8 nos of
80M dia 13.4 M height Crude storage Tanks.
- ▶ Sonapat –Meerut Branch Line – length – 70 Km, dia –10.75”
- ▶ Kurukshetra –Roorkee – Nazibabad Pipeline, length – 167 Km, dia 10.75”



EXPERIENCE AND PARTIAL CLIENT LIST

- ▶ BP Mad Dog Floating Spar Facility Project
- ▶ Shell Bonga Southwest Aparo Project
- ▶ Tiger Drillship Project
- ▶ Inpex operated Ichthys LNG-CPF (Central Processing Facility) Project
- ▶ CAT-J Jack –up Rig Project
- ▶ Topside Engineering of MOPU (Mobile Offshore Production Platform)



CONTACT US

- ▶ ENERGY TOTAL group has achieved the distinction of successfully accomplishing assignments entrusted by industry majors ENERGY TOTAL group is striving to become the world's best company realizing customer satisfaction with the best quality, solutions and services.
- ▶ May kindly feel free to contact us through phone call or e-mail etc. for any requirement from our above mentioned comprehensive group / consortium profile in Project Management, Basic & Detailed Engineering, EPCO Projects, Client's PMC, Construction, Construction Management and Supervision, Technical and Management Trainings and Trained Manpower (Ready to Use)
- ▶ We request you to kindly go through our offer to enroll us as your approved list of Consultants / Sub-Contractors and give us an opportunity to work for the appropriate scope of work



CONTACT US

- ▶ We shall look forward to have pleasure of serving you to the best of our abilities.
- ▶ Your early and favorable response shall be highly solicited
- ▶ Thanking and assuring you of our best & prompt services at all times.
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