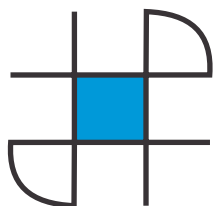


Your Partner

in Progress



Promantec Consultants Pvt. Ltd.

Productivity ■ Management ■ Technology



Profile

Company

Promantec Consultants Pvt. Ltd. is a consulting group managed by senior technical and management executives. The groups core competency is in project and technology management, front end consultancy services, as well as operational and maintenance support services including start up, commissioning and maintenance turnarounds in power, chemical and hydrocarbon processing industries.

Established in 1998, Promantec has successfully executed a number of assignments, both in India and Abroad, that comprehensively reflects the firm's competence and capabilities.

A large pool of qualified and experienced personnel having knowledge about latest available Energy efficient & Environment friendly technologies, and perfect understanding of the End User requirement makes Promantec an ideal partner in implementation of projects including its Commissioning and operation and for improved performance of plants.

Our experienced engineers and Operation and Maintenance Personnel can be mobilized at short notices. We have vast experience and successful track record in Operations, Commissioning, Project Management, Troubleshooting, Revamps, Retrofits, Plant Upgrades etc. including preparation of Pre-Commissioning Documents Operating Manuals, Safety & Energy Audits, Environmental Audits, Conception of Revamps & Retrofits Scheme, Planning, Scheduling and Coordinating Major Maintenance Turnarounds.

Mission

Building Relationships with Integrity and Professionalism for Productive Management of Technology In Power, Petrochemicals, Fertilizes and Petroleum Refining Industries.



Features

Salient



Turnover has increased 400%
in the decade

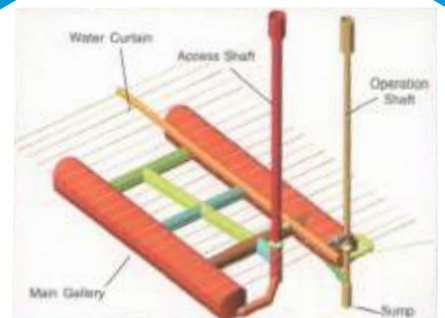
Excellent Safety Track record - No Loss of time or resources due to Injuries/Accidents.
-Across 50 projects handled by PCPL resources for commissioning a plant which is neither Conceptualized, Engineered, Procured or Constructed by them.



No Real hard marketing - Repeat business from key accounts driver for continual growth

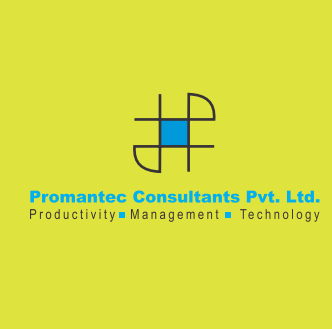


First Indian Service Provider Company to take responsibility for supervising Pre-commissioning and Commissioning



Work Executed

Successfully



Provide Better Value for Money

Oil & Gas Sector

Projects Executed

A) Group Gathering Station:

- North & South Santhal Stations, Jotana, Gujarat.
- GGS – 7 & GGS – 8 at Gandhar Fields, Gujarat.
- Dom & Baramura GGS-II at Assam.
- Shibsagar GGS-I at Assam.
- GGS at Kadi, Gujarat.
- GCS at Kovilpatti, Tamil Nadu.

B) Onshore Processing Facilities:

- Phase-I of Suvalli, Hazira Onshore Facility for Cairn Energy India Pvt. Ltd.
- South Pars Phase 6, 7 & 8 at Iran.
- Revamped Facility & Booster Compressor station at Suvalli, Hazira for Cairn Energy India Pvt. Ltd.
- Safety & Fire System Pre-commissioning, Commissioning and Maintenance at Mangla Terminal & Rageshwari Field in Rajasthan for Cairn Energy.

C) Offshore Process Platform & LQ:

- MNW Sea Water Injection Platform at L&T Hazira Works & Bombay High.
- Banduq Abu Dhabi Platform.
- N9 – N10 Platform for ONGC at L&T Hazira Works.
- BCP LQ at Qatar & Hazira Works.
- Operation & Maintenance of offshore wells LA/LB and Gauri at Gulf of Cambay for Cairn Energy India Pvt. Ltd.

D) Underground Rock Cavern Storage:

- LPG Cavern storage for SALPG at Vishakhapatnam.

E) Wellhead Refinery:

- Tatipaka Phase – I Refinery at Kakinada, Andhara Pradesh.

F) Cross Country Pipeline:

- Anand – Limbdi – Rajkot Pipeline.
- Mora – Vapi Pipeline.

G) Documentation & Residual Engineering Work:

- Residual Engineering for NIGG Project at Waghodiya, Gujarat for GAIL.
- Turnover Commissioning Package & Procedure for G1 Development Project of ONGC at Rajahmundry, Andhra Pradesh for Clough Oil & Gas Ltd., Australia.
- Preparation of Procedure & Schedule for MNW Platform of ONGC for L & T.



Services

Our

Pre investment Studies

- Market surveys, Project Feasibility & Viability Studies, Product Evaluation, Sourcing of Technology etc.
- Conceptual Studies for Grassroots Projects, Revamps, Retrofits and Expansion of existing facilities.

Process and engineering Designs

- Hazard & Operability Studies and Constructability Studies.
- Firming of Design Basis & Front End Engineering.
- Review of Basic and Detailed Designs, Datasheets, Drawings of Technology Suppliers, Engineering Consultants and Vendors.
- Site Selection & Plant layout studies.
- Upgradation of Instrumentation and Control System including SCADA.

Proposals and Contracts

- Assistance in formulating Business Development Proposals and Contracts.
- Assisting in Contract Negotiations for License & Know-how, Basic & Detailed Engineering, Project Management Services, Purchase of Plant Equipment, Machinery, Bulk Materials.

Projects management and Co-ordination

Our Project Management and Co-ordination services include the entire range of services from Conceptualization to commissioning including:

- Scheduling & Planning
- Progress Monitoring
- Formulation of Action Plans
- Contingency Planning
- Precommissioning & Commissioning

Pre investment Studies

Process and
engineering Designs

Proposals and Contracts



Services

Our

Procurement and Tendering

- Preparation of NIT/ITB/ RFQ documents for Process License Know-how, EPC contracts and Scrutiny of Bids received against these NIT / ITB / RFQ.
- Procurement Services including Preparation of Techno-Commercial specifications & analysing Vendor Quotations for Plant Equipment & Machinery.
- Expediting and Follow - up.

Operations and Maintenance Support

- Plant start-up & Commissioning Assistance including Pre-commissioning.
- Preparation of Pre-Commissioning documents.
- Preparation of operating manuals incorporating Normal Start-Up & Shut Down, Emergency Shutdown, Troubleshooting, Catalyst, loading and activation procedure.
- Operator Training.
- Deputizing Supervisory and Operating Staff for Start-ups, Safety, Environmental, Energy and Technical Audits for the facility.
- Value Engineering, Productivity Improvement, Cost Reduction and Resource Planning Study.
- Planning, scheduling and coordination of Maintenance Turnaround.
- Plant Performance Monitoring & Benchmarking.
- Conceptualization & Implementation of Plant Revamp, Retrofits Modification & Upgrade Schemes.

Miscellaneous

- Employee Selection.
- Development of MIS & Database.
- Representation & Liasioning.
- Training & Awareness Programmes.

Technologies

| | | |
|--|--|---|
| -Acetic Acid | -Caprolactam | -Gas Cracker |
| -Acrylates | -HBI & DBI | -Gas Gathering Station |
| -Acrylonitrile | -Methanol | -Sulfur Recovery |
| -Ammonia | -Nitric Acid | -TDI |
| -Bromine | -Nylon - 6 | -Sulfuric acid |
| -Butadiene | -Polybutadiene Rubber | -Synthesis gas |
| -Polypropylene | -VCM – PVC | -Sulfur Recovery Unit (SRU) |
| -Urea | -Cryogenic Storages | -Isomerisation Unit |
| -Onshore & Offshore Gas & Oil Processing Platforms Units | -Naphtha Hydrotreater (NHT) | -Hydrogen |
| -Underground Rock Cavern Storage for LPG/GAS/OIL | -Vaccum Distillation & Crude Distillation Unit (VDU – CDU) | -NPK Fertilizers |
| -Cross Country Pipelines | -Continuous Catalytic Reformer (CCR) | -Diesel Hydro Desulfurisation (DHDS) / Diesel Hydrotreter (DHT) |
| | -Offsites & Utilities | |

Procurement and Tendering

Operations and
Maintenance Support

Miscellaneous

Achievements

Significant

Pre-commissioning ,Testing and Commissioning of South East Asia's First ever LPG Cavern storage Located 200 M Below the Sea Level at Visakhapatnam for SALPG Co. Ltd.



Pre-commissioning & Commissioning of India's largest offshore Water Injection Facility at MNW Process Platform of ONGC for L&T.

Commissioned India's and ONGC's First Wellhead Refinery at Tatipaka near Rajahmundry in Andhra Pradesh for NICCO.



Successfully Commissioned and Stabilized Kadi and Jotana Group Gas Gathering Stations, when the Foreign Technology Suppliers themselves could not start the respective units.

Refinery Units

Projects Executed

A) CCR/ISOM 3 Nos.

- IOCL, Vadodara (2010)
- BORL, Bina (2010)
- BPCL, Cochin

B) HGU 3 Nos.

- HPCL, Visakh (1999 - 2000)
- CRL, Cochin (1999 - 2000)
- IOCL, Guwahati (2002)

C) DHDS/DHDT 5 Nos.

- HPCL, Visakh (1999 - 2000)
- CRL (1999 - 2000)
- IOCL, Guwahati (2002)
- IOCL, Haldia (1999 - 2000)
- IOCL Mathura (2004)

D) SRU 5 Nos.

- IOCL, Mathura (2011)
- HPCL, Visakh (1999 - 2000)
- BPCL (2004)
- Takreer, UAE (2005)
- IOCL, Guwahati (2002)

E) MSQ 2 Nos.

- IOCL, Mathura (2005)
- IOCL, Gujarat (2010)

F) CDU/VDU/VGO 2 Nos.

- Petronas, Malaysia (2008)
- ONGC, Standalone Refinery at Tatipaka (2001)

G) Off-sites & Utilities

- HPCL, Visakh (1999 - 2000)
- CRL (1999 - 2000)
- IOCL, Haldia (1999 - 2000 & 2009)
- IOCL, Mathura (2004)
- IOCL, Guwahati (2002)



What we do?

Company

Promantec has in its Network Specialists having considerable experience and expertise In

- Precommissioning & Commissioning
- Operation & Maintenance
- Instrumentation & Control
- Preparation of PC & C Documents, Turnover Dossiers, SOPs, Maintenance Manuals, Safety Manuals
- Review Of Engineering Documents, Drawings, Datasheets
- Reliability & Constructability Studies
- Shop and Site Acceptance Tests and Trial Runs
- Seismic Data Analyses
- Bathymetric Surveys
- Torquing & Bolting
- Hot Tapping & Hydrojetting
- Cross Country Pipeline Pigging & Testing
- Hazop & QRA/EIA

Promantec has experienced and expert faculty available for

- Creating Awareness for
 - Process Approach In QMS
 - ISO 9001
 - ISO14001
 - OSHAS 18001
 - Integrated Management System
- Training Internal Auditors for all Above
- Behavior Based Safety
- Hazop Studies
- Hazard Identification & Hazard Analysis (HIRA)
- Risk Management
- Root Cause Analysis



Clients

Our

| | | | | |
|---|--|---|---|---|
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|  |  |  |  |  |
|  |  |  |  |  |
|  |  Deepak Fertilizers & Petrochemicals Co. Ltd. |  |  |  |
|  |  JCE ENGG. & MGMT. SERVICES PVT. LTD. |  TOYO ENGINEERING CORPORATION | | |



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