

Solutions of EXCELLENCE



PROCESS SOLUTIONS PVT. LTD.



CONCEPT TO COMMISSIONING

We at Quanta Process Solutions Pvt. Ltd., are a multi-disciplinary design and engineering company providing concept to commissioning services to the oil & gas, hydrocarbon and specialty chemicals industries. We offer industry-leading services, commensurate with international quality and standards.

- Leading multi-disciplinary design and engineering services company
- Concept to completion services
- Over 250 projects successfully completed

“Our value proposition is **FEED** realising the benefits to the client with our **Flexible** approach having **Expertise** in multidisciplinary engineering and **Experience** spreading across Oil & Gas, Petrochemical, Chemical, industry domain in **Delivering** time, cost and engineering efficiencies.”

INDUSTRIES SERVED



OIL & GAS PROCESSING



REFINERY

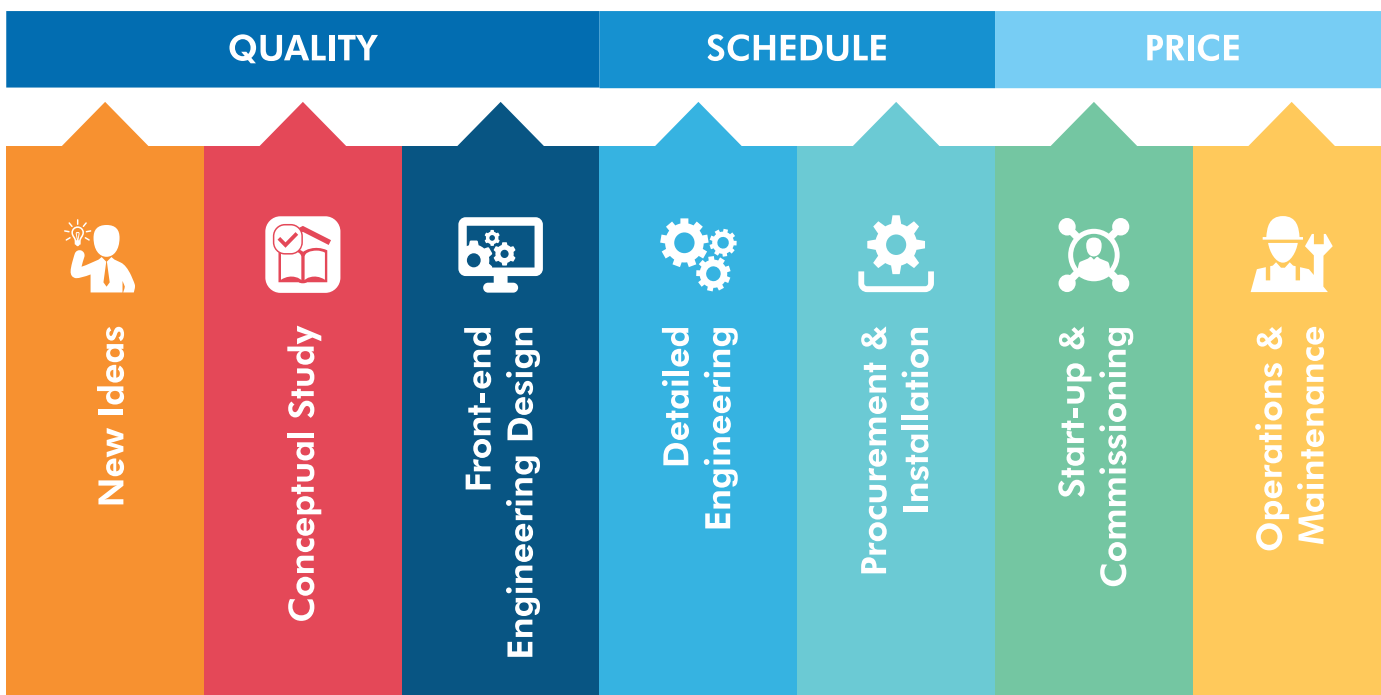


PETROCHEMICALS



SPECIALTY CHEMICALS

CONCEPT TO COMPLETION SERVICES





SERVICES OFFERED

CONCEPTUAL DESIGN

- **Commercially Licensed Technologies**
- **Client Technologies**
- **Quanta Technologies**

FRONT-END ENGINEERING DESIGN

- **Basic Engineering Packages**
 - PFD with Heat & Mass Balance
 - Equipment Specifications
 - P&ID Development
 - Equipment Layouts
 - Instrument Specifications
 - Relieving Systems and Flare Networks
- **Feasibility Studies**
 - Cost Estimation Payback, ROI and Financial Analysis



DETAIL ENGINEERING

Piping Engineering

- 3D Model Development
- Equipment layouts, plot plans
- Piping Plans & Isometrics
- Stress Analysis

Instrument Engineering

- Specifications of Field Instruments
- Control System Specifications
- Cable Layouts & Installation Drawings

Electrical Engineering

- Load List, Single Line Diagram
- Specifications for Transformer, PCC, MCC
- Earthing & Lighting Layouts, Cable Sizing & Cable Layouts

Civil / Structural Engineering

- Grading & Earthworks
- Buildings, structures and Piperack Design
- Equipment Foundation Design

Procurement Engineering

- MR Preparation & Floating of Enquiries
- TBA & TR Development
- PR Development

PMC SERVICES

- Project Planning, Scheduling & Monitoring
- Engineering Management
- Procurement, VDR, Inspection and Expediting
- Construction Planning & Management

SAFETY SERVICES

- HAZOP, HAZID and SIL Workshops
- Dispersion and QRA Studies



SYSTEMS, PROCEDURES & STANDARDS

- Well-defined engineering systems for precision and consistency
- Established Quality Standards and Procedures
- IT-Enabled Company Knowledge Systems
- Expertise in IS, API, ASME, BS, DIN and other standards



DESIGN SOFTWARES

- **Process**
Hysys / PRO/II / ChemCAD for Simulation
HTRI for Heat Exchangers
Hextran for Heat Ex Network Design / Optimization
VisualFlow for Flare Network Simulation and Analysis
- **Equipment**
PV Elite for Pressure Vessel Design
- **Piping**
CADWORX for Plant 3D modelling
CAESAR II for Stress Analysis
- **Structures**
STADD Pro for Structural Design and Analysis
- **Drafting**
AutoCAD
MicroStation



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