DWC INNOVATIONS

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PROCESS SOLUTIONS

OUR COMPANY

The company brings together like minded technocrats who strive to provide to its client the state of art innovations and wide range of process technologies & solutions.We look forward to provide advanced revamping solutions and innovative ideas to enchance the efficiency and removing bottleneck when it comes to the capacity of petrochemical and process industries. Our experienced team at DWC innovations provide the following services.

Proposal and Feasibility Studies

Basic Engineering Packages

FEED Package

Technical Services

Process Simulation & Modelling

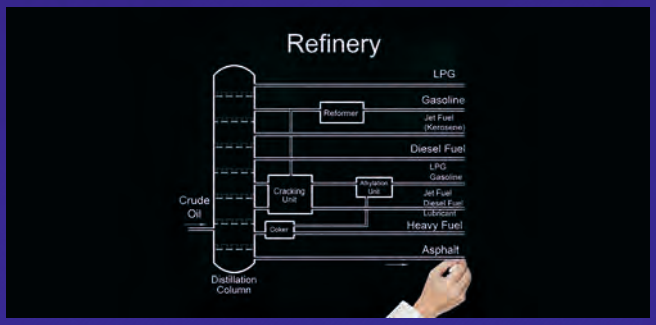
Energy Optimization

Process Consulting

PROCESS CONSULTING

Our process consulting expertise covers the following:

- Detailed scoping and feasibility studies
- Steady state and dynamic process simulation modeling for new design or retrofit
- Process Engineering Design and support
- Plant Commissioning Support, Troubleshooting and Technical training



ENERGY OPTIMISATION

Energy optimization is aimed at:

- Increasing refinery's overall profitability and throughput by optimizing entire process units through improved heat integration.

- Rigorous process simulation help evaluate stand-alone columns as well as larger units with multiple columns to determine the best process configuration.
- Our technical solutions help the refinery sustain the benefits, introduce new products and meet their performance objectives.

OUR SERVICES

Proposal and Feasibility Studies

- Identifying areas in existing system for revamp and retrofits
- Finding Economic viability of a above by feasibality studies
- Arriving at preliminary cost estimation

Process Simulation And Modelling

- Our services range from data bases to models of entire flow sheets
- Besides steady state simulations, we also develop dynamic simulation models to configure / optimize the control scheme of the process
- Hydraulic calculations
- Relief and flare system design

Basic Engineering Package

- Design basis
- Process flow diagrams
- Heat and material balance
- Utility, catalyst & chemical consumption
- Effluent summary
- Equipment specifications & datasheets
- Piping & Instrumentation diagrams
- Material of construction diagrams
- Preliminary plot plan
- Instrument specifications
- PSV datasheet and flare loads
- Control narratives and cause & effect diagrams
- Operating guidelines

FEED Package

- Our front-end engineering and design (FEED) teams, provide documentation to support our Client's investment in the project

Technical Services Provided By Our Team

- Review of the detailed engineering work
- HAZOP Studies
- Field inspection for compliance with the licensor.
- Operator training.
- Support for plant start-up and troubleshooting.
- Support in conducting test run for performance guarantees.
- Process optimization