



IZZI Business Services

# Training Course on Refinery Overview (3 Days)

## Participants

- Refinery personnel
- Trainees / GET
- Academic participants
- Operations staff

## Objective

The main objective of this training is to provide detailed view of refinery processes; Understanding crude oil and its properties; exploring different refinery setups along with the flow of streams in and out of process units; identify the core refinery processes and product blending; significance and key parameters for each process unit; refinery and petrochemical integration.

## Agenda

- Overall hydrocarbon supply chain
- Overview of refinery configurations
- Crude oil characterisation
- **Distillation units:**
  - Crude oil distillation & vacuum distillation
- **Conversion units:**
  - Hydrotreating & hydrocracking
  - Reforming
  - Catalytic cracking & thermal cracking
  - Alkylation & isomerization
- **Purification, auxiliary & treatment units:**
  - Merox
  - Sulphur recovery & amine regeneration
  - Hydrogen production & recovery
- Refinery tank farms and logistics
- Product blending and specifications
- Refinery & petrochemical integration