Refinery Planning

Consultant / Trainer:

Anwar Tatariya

The **Petrogenium.** 3 day Refinery Planning and Optimization course is designed to train the participants in the detailed aspects of Refinery Planning system and its complexities, along with an overview of the key features of different LP software available in market.

Participants

This **Petrogenium.** training can be tailored for awareness/inexperienced staff, for intermediate and for experienced personnel, although it has originally been designed as an advanced course. Furthermore the course can be customized for a specific refinery / plant or multiple sites. The option for post-course consultancy/help-desk support is also available.

Participants may include: Strategic Planners, Long term Planners, Short Term Planners, Investment decision makers.

Learning Objectives

To provide a detailed view of how Refinery Planning Business Processes as structured; what are the typical interactions and the challenges for planners; Participants will also understand and acquire a good knowledge of Refinery Planning best practices, knowledge about key roles and responsibilities of planner in the organization that gives insight on key factors that can impact overall Gross Refinery Margin; not limited to optimization of different variables, single-period LP models, multi-period & multi-location modelling, Crude & Product opportunity evaluation, etc.

Programme

Day 1
- Fundamentals of Linear Programming
- Refinery Planning Process overview
- Crude Assay Data management

Day 2
- Insight to Planning processes
    - Long Term / Strategic Plan
    - Annual / Budgetary Plans
    - Monthly / Weekly Operating Plans
    - Special case studies
- Planning model - best practices
- Process submodel building - best practices

Day 3
- Multi-period & multi-site planning model
- Planning model update - best practices
- Back casting using LP
- Crude indifference value analysis