Q8 Research

T R A I N I N G

ADV03: Intensive Refinery Economics

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CERTIFIED LR ISO 9001

Crude refining industry exists already for many decades, and is the main supplier of global energy for various applications. It is a lucrative business where many parameters have direct and indirect impact on the revenue and profit of the refiner

Crude and other feedstock pricing is subject to a global trade market, crudes and refineries have to match for optimal yield. Even weather conditions and environmental hazards can affect the economics of a refinery. It's not an easy task to make the right choices.

Course Objective

The program is designed for **professionals with a background in Planning, Logistics, Engineering or Operations** who want to enhance their understanding on refinery economics. The following topics are covered:

- Detailed understanding of the economic aspects of oil refining by focusing on the key economic drivers
- Have hands on experience on using LP modeling
- Understand the impact of refinery configuration & complexity on margins
- Trends in the Hydrocarbon industry and catalysts
- Reaction on changes in petroleum products quality, quantity and consequently trade impact.
- Effect of day-to-day vs. longer term operational decisions
- How to improve refinery performance

This is a **theoretical** and **practical** course that combines lectures with a **daily exercise** that builds on the knowledge gained during the training about blending, buy-or-make decision, crude selection and unit operation. A KPI Supply specialist with more than 30 years working experience at KPI in different technical and commercial roles and a process engineer specialist with more than 15 years of refining process experience give the course.

Course Modules

Module 1: *Business environment*
Introduction to the business environment, trends in trade, product demand and world developments. Crude and products flows worldwide dictate refinery configuration and profitability.

Module 2: *Crude Selection and LP modelling*
Well-balanced LP modelling and planning are crucial in maximizing profit in modern refineries. One of the key refinery profit drivers is selecting the most optimal products and crude to process for your refinery.

Module 3: *Configuration*
In this module the participant will gain insight in the different types of refineries, their configurations and more details on the different unit operations and key economic drivers like catalysts.

Module 4: *Products*
Refineries have to deal with multiple product streams. Understanding product quality parameters, their interaction and their costs is vital. Blending various product streams into desired products is the final step.

Module 5: *Performance management*
This module will give an overview of a performance management system including aspects like cost break down, marginal economics and investment evaluation. The participant will gain insight in how investments in the refining industries are related to the (local) economic environment and trends in product demand.

Practical

Course duration:	*5 days*
# participant:	*max. 15*
Location:	*on request*

Extensive hands-on knowledge shared by our experts

For more information: please visit www.Q8Research.com
For questions, please call +32 496 58 00 86 or send an email to mahaute@Q8.com