

TRAINING SEMINAR



Given tight refinery margins, learn how to implement computerised decision support systems to improve operational efficiency and economic performance

Oil refineries worldwide are facing increasing competition and complexity of both technical and commercial issues. Agile operations are required to cope with the high dynamics of petroleum products markets. Taking the right decisions under multiple constraints and tight schedule is becoming a challenge which justifies the use of sophisticated decision support tools.

The course shall review the most common financial challenges of oil refineries to introduce hardware and software technologies that can effectively improve the net margin, from sensors to ERP. A specific detailed analysis shall be performed for the following key decision support systems:

- Planning
- Scheduling
- Oil accounting, including losses estimates
- Logistics: tank farm, blending, shipping
- Performance monitoring

Projects implementation issues shall be covered including contractual terms, budget, contingencies, execution schedule, acceptance testing and other subjects specific to decisions support systems.

Benefits of Attending

- Review the potential scope of automation, control and decision support systems
- Learn how to capture significant and real benefits from proper implementation
- Benefit from feedback on successful projects
- Review potential risks and root causes of failures
- Learn about the latest hardware and software technologies

Who Should Attend

This course is designed for oil refinery technical staff, including:

- Operations
- Technical Services
- Quality Control
- Planning and Scheduling
- Information Technology
- Process Control

It is also of interest to Project Engineers, Economics and Trading staff

FORMAT & TIMINGS

The course is presented in a highly participative format. The trainer will start with some basic principles, requiring interaction and discussion with the delegates. Actual case studies, discussions, interactive analyses will ensure that the course content is both engaging and interesting.

Registration & coffee will start at 8:00am on Day One. The course will run for two days, starting daily at 8:30am and finishing at 4:00pm. There will be two coffee breaks and a seated buffet lunch on each day.

FEES & DISCOUNTS

USD 2250

inclusive of trainer fees, training materials, completion certificate, lunch & refreshments

Group Discount:

20% discount for three (3) or more registrations from the same company

CONTACT US

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TERMS & CONDITIONS

All our training courses and seminars are subject to final confirmation.

Full payment is required prior to the event.

Cancellations made on or before the cut-off date will be refunded in full less an administrative charge of GBP 200.

Cancellations made in less than a month prior to the event cannot be refunded or credited. Substitutions are welcome at any time.

Organised and presented by:



Euro Petroleum Consultants

TRAINING AGENDA

Day 1

COURSE OBJECTIVES FUNDAMENTALS OF OIL REFINERY ECONOMICS OVERVIEW OF DECISION SUPPORT SYSTEMS AND INFORMATION SOURCES

LEVEL 1 REAL TIME APPLICATIONS:

- Real time data base
- Real time process data validation
- Condition monitoring
- Operating windows
- Field robotics and sequential automation

LIMS, IN-LINE LABORATORY PRODUCTS CERTIFICATION, CRUDE ASSAY MANAGEMENT

LOGISTICS MANAGEMENT: tank farm, blending and shipments

ENERGY MANAGEMENT

Day 2:

LEVEL 2 APPLICATIONS AND PROJECTS IMPLEMENTATION

OIL ACCOUNTING AND LOSSES MANAGEMENT:

- Scope, Incentives
- The hunt for losses
- Pre-requisites and implementation issues

SCHEDULING:

- Scope from crude receipts to products liftings, Incentives
- Pre-requisites and implementation issues
- State of the art optimal scheduling and MINLP techniques

PERFORMANCE MONITORING:

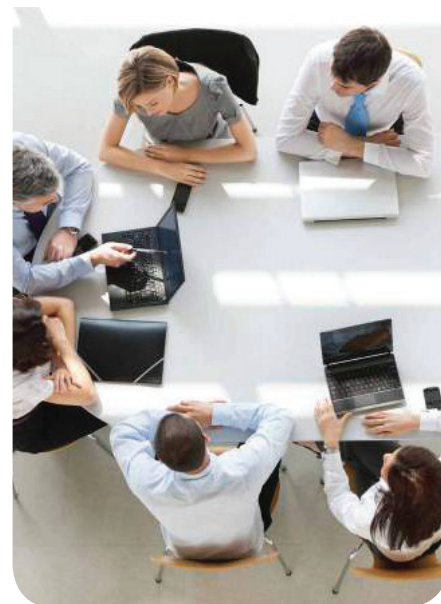
- Incentives for Key Performance Indicators (KPIs)
- Review of typical oil refineries KPIs for Operations
- Implementation pre-requisites and typical issues

ADVANCED TECHNOLOGY PROJECTS IMPLEMENTATION

- Execution schedule and pre-requisites
- Budget items and contingencies
- Hard and soft benefits evaluation
- Change management
- Key success factors

CONCLUSION

- Enabling technologies for field and control room operators
- Use of dual technologies
- Key success factors



MEET YOUR TRAINER: MARC VALLEUR

Marc M. VALLEUR is the former Head of the Advanced Systems Business line of TECHNIP France. He was also a member of the College of Experts for the TECHNIP Group.

During his 45 years career, Marc has worked as Manager of Operations of UPM Computer Center in Dhahran, computer Analyst at IFP and has completed many decision support systems in various countries, including Russia, Middle East (Saudi Arabia, Kuwait, Qatar, UAE), Western Europe (France, Austria, Germany, UK, Belgium, Italy, Spain), Brazil, Africa (South Africa, Nigeria, Angola, Morocco), Australia and South East Asia (Thailand, Malaysia, Vietnam)

Marc has worked on gas and oil fields, oil refineries, gas plants, ethylene plants, GTL plants

Marc is a graduate Engineer of Ecole Nationale Supérieure de Chimie de Paris and of IFP School. He is a referee for ASTM on scheduling, an associate Professor at ECE Paris and has published 24 articles and books chapters.



ABOUT THE ORGANISER

Euro Petroleum Consultants [EPC] is an independent consulting group formed in London in 1996. EPC organises high-level conferences and training courses for the oil, gas and petrochemicals sector. Our in-depth knowledge of the industry combined with extensive technical and commercial experience enables us to guarantee that our training events are delivered to the very highest standards. The key to our success lies in the calibre of our trainers and our attention to detail.

IN-HOUSE SEMINARS

We will tailor courses to your particular needs and will work with you to define scope, content and priorities. We offer in-house training in the following areas:

- Operational Excellence
- Project Management
- Investment Planning / Master Planning
- Oil, Gas & Petrochemicals Masterclasses
- Health, Safety & Environment