

Refining-Petrochemicals Synergies (3 days)

PURPOSE

This course provides a complete review of the main refining and petrochemical specificities, as well as the identification of the possible synergies. It highlights the economic gains achievable from refining-petrochemicals integration.

AUDIENCE

Level: **PROFICIENCY**

Staff from refining and petrochemistry involved in production, planning, procurement, marketing, management control and investment.

LEARNING OBJECTIVES

Upon completion of the course, the participants will be able to:

- ☐ Describe the main specificities of the refining and petrochemical sectors
- ☐ Identify the possible synergies between refining and petrochemistry
- ☐ Explain the economic challenges and the main factors of these sectors' profitability
- ☐ Analyze the effects of these synergies

WAYS AND MEANS

- Quiz, examples
- Case studies and exercises in team work

PREREQUISITES

- Basic knowledge of refining and petrochemical unit operations.

AGENDA

TECHNICAL REVIEW OF REFINING AND PETROCHEMISTRY

1 day

Main petroleum and petrochemical products: key product specifications review
Refining and petrochemical schemes
HSE specifications: refining (H₂S, etc.), petrochemicals (product instability, etc.)

SYNERGIES BETWEEN REFINING AND PETROCHEMISTRY

1 day

Utility exchanges: H₂, gas, fuel
Supply: ethane, LPG, naphtha, atmospheric gasoil, vacuum distillate
Product exchanges: pyrolysis gasoline, olefins
Common treatment of the C4 cuts: BTX (Benzene-Toluene-Xylene) extraction
Pooling services

REFINING AND PETROCHEMICALS ECONOMICS

1 day

Refining and petrochemical margins and cost
Location and unit severities effects
Gains due to synergies
Case study: Economics of a refinery, of a steam cracker and of the integration of both (with some synergies)

Language	Location	Date	Fee (Euro)	Registration Contacts
 English	National Petrochemical Company	10-12 July 2017 ۱۹-۲۱ تیر ۹۶	به ازای هر نفر ۹۵۰ یورو	Training@cbcoilandgas.com 0912-0848343 , 021-88558601 نگین صنایع / مدیر برنامه / مهندس فرآیند

✳ حداکثر ظرفیت تعداد شرکت کنندگان ۲۷ نفر می باشد.