

Training - Introduction to refining



DECRAF-EN-P



Face-to-face only



2 days

This training course provides simple technical information on refining processes

Level

Awareness

Public

Non-technical professionals (engineers, technicians) in the Oil & Gas industry or related sectors interested in the oil refining business

Objectives

Attendees will be able to implement the following skills:

- describe the principle of a manufacturing diagram of petroleum product, including the purpose of the main refining units
- analyze the main constraints and trends of the refining industry

Pedagogical & technical resources

- Various pedagogical activities (quizzes, interactive games, summaries) ensure interactivity with participants and help them memorize a typical refining diagram
- The content of the material can be adapted to suit the customer's needs
- A virtual tour of a refinery in enhanced reality allows participants to appreciate the scale of the equipment and units presented
- A glossary of the main technical terms used in refining enables rapid familiarization with the vocabulary of the sector

Assessment of achievements

- Trainees are assessed throughout the training through practical application phases and interactions with the trainer
- A final on-the-spot evaluation may also be carried out at the end of the course and/or at the end of each module using tests designed to verify the learners' understanding and assimilation of the knowledge linked to the training objectives

Prerequisites

No prerequisites are necessary to follow this course

Responsible

IFP Training instructors, with expertise in the field and trained in modern teaching methods adapted to the specific needs of learners from the professional world

Program

CRUDE OILS & PETROLEUM PRODUCTS

0.5 day

Main characteristics of commercial products, relation with their composition.
Environmental constraints and the emergence of biofuels in formulations.

REFINING STEPS

1.5 days

Origins of crude oil, means of supply, overall properties.

Simple refining diagram: initial fractionation of crude oils, transformation processes according to refining criteria and blending of the bases obtained.

The role of the various refining units, their interdependence and the operating conditions of the main units: catalytic reforming, isomerization, hydrorefining, sulfur recovery, thermal and catalytic cracking.

Main product and process hazards.

To French entities : IFP Training is referenced to DataDock ; you may contact your OPCO about potential funding.

Please contact our disabled persons referent to check the accessibility of this training program : referent.handicap@ifptraining.com