Training - Overview of Petroleum Economics within the Energy Transition

EPE-EN-P

Face-to-face only

4 days

This course aims to provide an overview of the petroleum sector so that participants may understand the oil operations and business, from upstream to downstream, and identify economic challenges

Level

Knowledge

Public

People from the energy and petroleum sectors, industrial partners, business men and financiers, as well as public administration staff

Objectives

Attendees will be able to implement the following skills:

- describe the different types of energy resources, the supply and demand with the challenges of the oil sector in the energy transition and its actors strategy
- describe the main steps of the upstream sector with the distinction for the different types of oil contracts
- explain the main economic criteria to evaluate a project and understand the operation of the physical and financial oil markets
- explain the evolution of the refining sector and of the petroleum product markets

Pedagogical & technical resources

- Quiz and serious game on the fundamentals of the energy sector
- Case study on the economic evaluation of an E&P project
- Exercises on cargo transportation costs, hedging, and refining margins
- Team games on factors affecting crude prices, the upstream sector, and oil trading

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

Responsable

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

INTERNATIONAL ENERGY SCENE : OIL AND TRANSITION — 1 day

Energy resources: definition, characteristics, conversion factor.
Energy demand and supply: evolution factors (reserves, technology, etc.) and scenarios.
History of the oil industry.
Determinants impacting crude oil prices today.
Strategies of actors: producer and consumer countries, national, independent and international oil companies, international organizations (OPEC, IEA, etc.).
Financial and political stakes, geographical and environment constraints.
Outlook for the oil sector in the energy transition: IEA scenarios, societal pressure, risk of stranded assets, risks for producing countries.

UPSTREAM — 1 day

Stages and technico-economic aspects of the Exploration-Production.
Reserve evaluation.
Economic criteria and evaluation method of an oil project.
Oil contracts and principle of the oil rent sharing.

MIDSTREAM — 1 day

Business practices and pricing.
Physical markets (spot, forward): operation, reporting agencies.
Introduction to incoterms.
Pricing a cargo, freight rates.
Financial markets (futures): operation, hedging.

DOWNSTREAM — 1 day

Refining processes and units.
Refining capacities, projects, strategies of actors.
Economic aspects of the refining sector: investments, costs and margins.
Environmental constraints, alternative fuels.
Petroleum product markets and marketing.

Sessions

Rueil-Malmaison - From 11/24/2026 to 11/27/2026 — **3130 €/HT**

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