

LEVEL

Awareness

PURPOSE

To provide an introduction to oil and gas production, along with a glossary of terms, covering fundamentals of technology, chain structure from well to export terminal, skills and job positions involved in operating production facilities

LEARNING OBJECTIVES

To understand the different phases of the oil and gas production process

To grasp the specific issues of offshore oil and gas production

To understand organizations, skills and job positions involved in operating production facilities

To acquire a complete view of the oil and gas production chain, stretching over technical, business and economic issues

WAYS AND MEANS

Course delivered by industry specialists

Numerous illustrations and case studies

WHY AN IFP TRAINING CERTIFICATION?

- An international recognition of your competencies.
- A Advanced Certificate delivered.
- An expertise confirmed in Fundamentals of Production.
- Ready-to-use skills.

Agenda

THE OIL AND GAS CHAIN: PRODUCTION POSITION

0.5 d

Positioning of the production in the value E&P chain

World Primary production

Issues and technical constraints

Conventional resources

Unconventional resources

Job descriptions and skills for production activities

ONSHORE & OFFSHORE PRODUCTION

0.5 d

Technical specifications, operating modes

Operating patterns and mapping fields

Technical architectures

Organization (remote site, extreme conditions, manning, shift...)

Case studies: FPSO, wet gas field (onshore), oil fields operated with reinjection, remote control room, early production facilities...

FROM WELL TO EXPORT POINT

From reservoir to wellhead: hydrocarbons and well effluent behavior

Well techniques, production techniques and well servicing

Surface facilities & treatment operations

Metering and expedition

Health Safety & Environment, sustainability

Budgets (CAPEX, OPEX) during the life cycle of a production field