

Training - Deepwater Drilling and Development



OFDW-EN-P



Face-to-face only



5 days

This 5-days course will be run over 4 days as there are public holidays. The entire program will be given, but the days will be extended

This course provides an in-depth, practical understanding of offshore drilling techniques, operations, equipment and procedures

Level

Skilled

Public

- Operator: drilling managers, engineers, supervisors
- Contractor: rig managers, tool pushers and drillers
- Other professionals involved or interested in deepwater drilling & development

Objectives

Attendees will be able to implement the following skills:

- Know about different offshore rigs
- Know about equipment specific to offshore drilling operations
- Understand the process of a subsea development

Pedagogical & technical resources

- Videos, animations
- Exercises
- Application to a real case (project) for the participants in the "Drilling & Completion Engineering" training course

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

OFFSHORE SPECIFICITIES

Offshore rig description: jack up, anchored and dynamic positioning floating platforms.

Limits of use of the rigs.

Specific equipment for floating platforms.

Mud line suspension.

Subsea well head and equipment.

BOP, BOP closing unit, risers, positioning.

Subsea Xmas tree and equipment:

- General overview.
- Different types: vertical, horizontal.
- Comparison.
- Running procedures.
- Examples.

SUBSEA FIELD DEVELOPMENT

Chronology of operations with the different types of rigs.

Typical subsea development schematic:

- Tie back.
- Deepwater stand-alone development.
- Subsea field layout.
- Production control system.

Well architecture for deep-water well:

- Typical drilling.
- Casing programs.

TECHNOLOGIES IN USE FOR ENERGETIC TRANSITION

Hybrid-powered rig equipped with battery Energy Storage System (ESS) to reduce emissions.

Carbon emissions initiatives at offshore oil and gas installations by enabling access to clean power from shore or wind farm. Jet trenchers for power cables.

Utilization of production associated gas to power gas turbine to reduce the carbon footprint vs. flaring or venting emissions.

Expandable casing to reduce the amount of energy needed to drill the bore.

KNOWLEDGE ASSESSMENT

Sessions

Pau - From 05/04/2026 to 05/07/2026

3800 €/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