Training - Bit and Drill String and Fishing while Drilling

OUTGARN-EN-P | Face-to-face only | 5 days

This course provides an in-depth theorical and practical knowledge of drilling bit, drill string and fishing techniques with its specific equipment

Level

Knowledge

Public

Young engineers and supervisors, toolpushers with some experience in drilling

Objectives

Attendees will be able to implement the following skills:

- Acquire the basic knowledge on the drilling bit and the drill stem
- Carry out basic calculations on the drill stem
- Choose a drill stem
- Use the different elements of the drill stem
- Learn about main techniques and equipment used to solve a fishing problem while drilling

Pedagogical & technical resources

- Course material (PPT, video)
- Individual and group exercises
- Visit of VAREL Europe manufacturer
- Instructor with a valuable experience in drilling operations
- Application to a real case (project) for the participants in the "Drilling and 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

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

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BIT — 2 days

Bit different types and classification.
Bit use and drilling parameters.
Dull grading.
Bit nozzle selection.
Bit selection.
Visit of a Varel manufacturing unit.

DRILL STRING — 1.75 days

Distribution of stresses in the drill stem, neutral point.
Drill pipes: characteristics, limits of use, combination of stresses, buckling.
Drill collars: characteristics, profile, threading, choice of diameter.
Auxiliary equipment: Kelly, heavy weight drill pipes, stabilizers.
Drill string selection: first approach.
Margin of overpull, equiresistant drill string, necessary length of DC.

FISHING WHILE DRILLING — 1 day

Different problems found during drilling.
Causes for sticking.
Principles of the solutions to sticking.
Fishing equipment lost in the well, main tools used.
Avoiding sticking and losses of equipment in the wells.

KNOWLEDGE ASSESSMENT — 0.25 day

Sessions

Pau - From 03/23/2026 to 03/27/2026 — **4320 €/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

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