# Training - Hydraulic workover units

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

This course provides a thorough understanding of HWOU applications and operations

## Level
Knowledge

## Public
Engineers, supervisors and professionals involved in workover operations.

## Objectives
Attendees will be able to implement the following skills:

- understand all the equipment on the unit and their functions
- identify specific hazards, their associated risks during operations
- design the workover program
- with some experience supervise the Workover operations using HWOU

## Pedagogical & technical resources

- Participative lecturing
- Numerous Exercises
- Numerous animations & videos

## 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

### INTRODUCTION: HWOU DOMAIN OF APPLICATION — 3 hours

Well completion/re-completion, installation of ESP pumps, cementing, P&A...
Main advantages of the use of HWOU.

### HWOU EQUIPMENT & SPECIFICATIONS — 18 hours

Gin Pole:


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- Specification - Height & Load Capacity driven by driven by BHA/ESP length & wait.
- Cable specs/breaking strength v SWL.
- Pulley load is 2 x winch load/mechanical advantage.
- How is Gin Pole Installed.

Jack Structure:

- Jack components, functioning, hydraulic forces...
- Maintenance & repair.
- Hydraulic manifold: functioning, Option Regen to increase the speed.
- Jack's vibrations: identification & resolution.
- Martin Decker: lecture, oil, bleeding, calibration. Classic errors & resolutions.

Slips:

- Travelling & stationary slips, components & specifications.
- Slips operations & maintenance.

Power Tong:

- Components, functioning & troubleshooting.
- Safety during operations.

Hydraulic Rotary Table:

- Components & specification.
- Torque tubes and issues when drilling/milling due to torque tube length disconnecting hoses unless.
- there is a swivel.
- Kelly joint/hang off point/mousehole to minimize issues at each connection.

Winches:

- CB Winches, payout winch components.
- CB winches vs pauout winches.
- Payout winch troubleshooting.

HPU:

- Components & specifications.
- Assignments.
- Husco valves etc.
- Option for electric units.

Work Basket:

- Components & specifications.
- Safety during operations.

Consoles:

- Operator console.
- Counterbalance console.

## HWOU OPERATIONS & PROCEDURES — 6 hours

Rig up/Rig down, pressure test the surface equipment.
POOH existing completion.
Downhole operations.
RIH new completion.
Case study.


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## MAJOR RISKS DURING OPERATIONS — 1.5 hours

Pressure control, pipe handling, working at heights, falling objects, ...

## KNOWLEDGE ASSESSMENT — 1.5 hours

# Sessions

**Pau -** From 06/22/2026 to 06/26/2026 — **4320 €/HT**

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