

# Training - Refresher Course for Production Operator



REFREOP-EN-P



Face-to-face only



15 days

This course aims to increase the knowledge in oil/gas/water processing operations, as well as acquiring or validating fundamentals of rotating machines and static equipment operation

## Level

Knowledge

## Public

Experienced operations personnel who need to validate or strengthen their technical knowledge

## Objectives

Attendees will be able to implement the following skills:

- Efficiently operate Oil & Gas production units, solve operational problems, analyze cause-and-effect relationships related to an action or operation, detect malfunction and anticipate process deviation
- Better monitor rotating machines and their ancillaries by focusing on their critical parameters and equipment
- Help extend equipment uptime
- Take into account machine and process safety aspects
- Optimize static equipment operation, taking into account their technology as well as the related process safety aspects

## Pedagogical & technical resources

- Numerous exercises and applications concerning the operation of production facilities
- The course can be adapted according to the experience and/or actual equipment operated by the participants

## Assessment of achievements

- Les stagiaires sont évalués au long de la formation au travers de phases applicatives et d'échanges avec le formateur
- Une évaluation à chaud peut également être effectuée en fin de formation et/ou en fin de module par des tests visant à vérifier la compréhension et l'intégration par les apprenants des connaissances correspondant aux objectifs de la formation

## 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

### OIL, GAS & WATER PROCESSING & OPERATOR DUTIES

5 days

Wells: performance, activation, monitoring and operation.

Oil treatment: multi-stage separation, dehydration, desalting, treatment of emulsions, treatment of foaming, sweetening.

Gas treatment: sweetening, dehydration, NGL and condensate recovery.

Water treatment: production and injection water treatment.

## ROTATING EQUIPMENT OPERATION & MONITORING

5 days

Centrifugal and volumetric pumps, centrifugal and reciprocating compressor:

- Technology, seal (gas or oil) system, ancillary circuit, UCP/DCS HMI, safety system.
- Normal operation.
- Troubleshooting.

Drivers: electrical motors, Diesel engines, gas turbines. Associated safety system.

## STATIC EQUIPMENT USED IN OIL & GAS PRODUCTION

5 days

Wells: from downhole to choke valve, manual valves, automatic valves, safety system, control cabinet.

Separator, distillation column, dehydrator and desalter, wash tanks: technology, control system & safety equipment.

Thermal equipment:

- Heat exchanger: shell and tube, plate heat exchanger, air cooler.
- Furnaces and boiler.
- Technology, operation, control system and safety equipment.

Storage tank: floating roof, fixed roof. Associated safety equipment.

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](mailto:referent.handicap@ifptraining.com)