

Training - Process Diagrams (PFD-PID)



SCHEPRO-EN-P



Face-to-face only



2 days

This course provides practical keys to read and use process diagrams

Level

Knowledge

Public

Technical staff using process diagrams

Objectives

Attendees will be able to implement the following skills:

- Use the symbols of a PID legend
- Read process diagrams

Pedagogical & technical resources

- Use of a set of complex PIDs to understand process flow, instrumentation loops, equipment characteristics...
- PID review with checklist/HAZOP initiation

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

BLOCK DIAGRAM & PROCESS FLOW DIAGRAM (PFD)

0.5 day

Splitting a process in blocks. Elaborating a block diagram.

Use of a PFD, added value compared to the block diagram. Type of information included in a PFD.

Symbols used for each element.

Importance of Utility Flow Diagrams (UFD). Complementarity with process flow diagrams.

PIPING & INSTRUMENTATION DIAGRAM (PID)

1 day

Purpose of PIDs: users from engineering phase to operation.

Process and utilities PIDs. Key elements indicated on PIDs. PID legend. Typical symbols.

Design and organization of a PID, level of detail. Notes, holds, comments.

Contents of a PID. Evolution according to design/operation phases.

Documents associated with a PID.

P&ID REVIEWS

0.5 day

Design reviews: focus on HSE and operability with HAZOP review.

Organization of the review, selection of attendees. Action plan. Validation. Reporting and follow-up process.

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