# Training - General Layout

IMPLANT-EN-P | Face-to-face only | 3 days

This course provides knowledge on how to elaborate a general layout and take into account the various constraints

## Level
Knowledge

## Public
Engineers and technicians involved in Oil & Gas projects

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

- Develop an implementation plan taking into account constraints: regulations, disciplines, suppliers, key project milestones
- Specify the optimization elements of an implementation
- List elements of a design review

## Pedagogical & technical resources

- Develop a general arrangement on an easy case
- Review a layout using HAZID methodology

## 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

### PRELIMINARY LAYOUT — 1 day

Regulatory aspects: safety distances, noise, environment, works. International standards.
Use of blocs diagrams, process flow diagrams and piping and instrumentation diagrams.
General layout: process units, storage facilities. Utilities. Technical and administrative buildings. Site access and escape ways. Tank farm layout.

### KEY POINTS FOR LAYOUT — 1 day


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Review of constraints generated by the various disciplines. Associated layout criteria.
Health, Safety and Environmental constraints. Use of the results of Quantitative Risk Assessment (QRA). Design inherently safer. Safety distances. Area classification. Ergonomics. Noise concerns.
Operation and maintainability: lifting and storage area, access to equipment.
Planning and scheduling: data availability at each project stage, management of holds and change requests.

## REVIEWS & OPTIMIZATION — 1 day

Design reviews using HAZID methodology.
Final layout including validated actions from reviews or equipment supplier data. Use of 3D models.
Inter-unit connection optimization. Storage area and paved areas optimization.

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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