

Field Development Planning

Onshore, Offshore and Combined courses available

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| Location | Worldwide |
| Duration | 3-5 days |
| Type | Classroom |
| Tutors | OPC training experts |
| Class Size | 15 (maximum) |

Introduction

OPC has created a unique Field Development Planning training course which is closely tailored to the needs of the participants. During the course, the participants work through the life cycle of a Field Development Plan for an appropriate field.

The course is interactive, with a mixture of presentations and practical exercises. The presentations set out the various techniques and procedures relevant to preparation of a Field Development Plan (FDP). During the practical exercises, the participants work in teams to apply the approaches to the example field.

The course is available to suit the needs of the delegates:

- > Offshore field development (3 days)
- > Onshore field development (3 days)
- > Combined offshore & onshore (4 days)
- > Onshore or offshore with additional facilities module (4 days)
- > Onshore and offshore with additional facilities module (5 days)

Course objectives

Through completion of the course, delegates will;

- Develop an understanding of the theory and practice of field development planning.
- Recognise the importance and benefits of integration of disciplines through working as a multi-disciplinary team.
- Identify uncertainty, its significance and explain the importance of assessing it realistically.
- Appraise the trade-off between cost and value of data and assess how to ensure that the optimum amount of data is collected.
- Describe and relate the importance of commercial goals to technical goals.
- Develop a multi-discipline appreciation and team building skills through the team exercises.

The course emphasises the importance of the sub-surface team (production profiles) working closely with the facilities team(s), in order to maximise the value of the project whilst managing risk.

Realistic field example(s) are used to demonstrate this; one for offshore, one for onshore, or both (on the five day course), with the delegates controlling the decision-making process to optimise the development. The examples illustrate the typical evolution of field understanding, with a mixture of predictable and less predictable data acquired.

Who Should Attend?

Engineers, Geoscientists, Project and Asset managers and those involved in project economics who wish to gain a better of field development planning in order to maximise the value of asset development.

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Course location

Worldwide at OPC training centres or at customer facilities.



Course timing

6 hours per day between 9am - 5pm (1 hour for lunch).

Sessions will be one hour each (optimum time for attention).



Course logistics

Please ensure you bring your own laptop with you for the course. Any required software will be supplied by OPC.

Delegates are responsible for their own travel arrangements and accommodation.

Refreshments and lunch will be provided.

Dress code is smart casual.



Further information

chris.bayly@opc.co.uk

+44 20 7428 1111

Course details

A three day course is sufficient to cover either onshore or offshore field development planning. To cover both, we recommend a five day course which will include an expanded section on facilities design. The actual course content will be tailored to meet the specific training needs of each customer.

The course is a mixture of taught material and practical exercises. Approximately 70% of the course time will be spent on these practical exercises, which are highly interactive and intended to be challenging and a good basis for class discussion.

Course content & Delivery plan

Day 1

- Introduction & Course overview
- Taught Material
 - > Exploration and appraisal phase objectives
 - > Collection and analysis of data, including proving of resources and reduction of uncertainty and risk, understanding the value of data
- Group Activity
 - > Introduction to interactive case study (onshore or offshore case) and volumetric estimates

Day 2

- Taught Material
 - > Introduction to facilities, onshore & offshore
 - > Constructing a field development plan and workflow
 - > Incorporating uncertainty management into the development plan
 - > Building static models, dynamic models and forecasting
- Group Activity – Continuation of case study
 - > Appraisal drilling programme and data acquisition as defined by participants
 - > Preparation of development plans for chosen scenario
 - > Teams present findings, uncertainty analysis, and preferred development scheme
- Taught Material
 - > Comparison of teams' reservoir descriptions and volumetric estimates with "actual" case

Day 3

- Group Activity
 - > Run basic economics on chosen development scheme and "actual" profiles
 - > Assess different development options and test the impact of appraisal costs on overall field economics
 - > Presentation of teams' development profiles (using digital model)
 - > Summary of economics, including project abandonment
- Summary of Field Developments
 - > How has uncertainty been dealt with, and how confident are we the optimum development scheme has been found

Day 4

- Additional case study onshore or offshore (optional)
 - > Introduction to second interactive case study and volumetric estimates
 - > Appraisal and drilling programmes, economic modelling
 - > Preparation and presentation of development plans

Day 5

- Advanced facilities (optional)
 - > What are the key facilities issues?
 - > What are the key decisions, influencing factors
 - > Balance between levels of definition and risks

