



COURSE TITLE: SELECTING OPTIMAL DEVELOPMENT CONCEPTS – WORKSHOP FACILITATION

Course Duration: 3 days

Course Level: Intermediate

Overview of Course:

This course trains participants to lead Concept Identification and Concept Selection workshops.

The course builds on the course 'Introduction to 'Gated' Development Processes' by describing methods for managing the 'Select' phase of a project development to achieve the optimal development concept. Since successful closure of the 'Feasibility' phase is critical to the 'Select' phase, the course also covers how to establish project feasibility.

The course covers workshop facilitation as project workshops are an important part of developing and selecting concepts. The course is based strongly on integration between subsurface and surface development decisions since optimal concepts cannot be chosen in isolation.

Concept Selection is explained as a sequence of decisions and the course describes how the work required in the 'Select' phase can be planned and optimised based on taking these decisions.

DESIGNED FOR YOU, IF YOU ARE...

- A Development Engineer who is likely to be engaged in the early phases of a development or project
- A member of a project team at either Graduate or a more experienced Technical Professional level looking to understand how project decision-making is achieved in a structured development process
- A senior member of the Company responsible for Project Governance who is looking to effect a progressive change in the decision-making processes used for major oil & gas developments
- A Subsurface Development Manager or Project Execution Manager who is responsible for a major oil & gas project for a number of the development phase

HOW WE BUILD YOUR CONFIDENCE

The course draws on best practices learnt and developed in major IOCs and NOCs. It reinforces the theory with practical application and real industry examples. Participants will be able to follow a case study through the techniques taught in the course.

The course is highly interactive and participants are encouraged to share their own experiences and problems to the benefit of all.

Upstream Concept Engineering Ltd – Bespoke Training & Workshops for the Energy Industries

Contact : PhilTudhope@UCEngineering-Ltd.com Tel: +44 (0)1932 345288

THE BENEFITS FROM ATTENDING

By the end of the course you will understand and be able to apply a structured, decision-based, technique for identifying and selecting optimal development concepts for an oil & gas project. You will understand the critical importance of creating concepts that account for uncertainties in subsurface information and be able to demonstrate qualitatively which concepts offer better project outcomes when accounting for risks.

You will understand why it is important to demonstrate project feasibility before entering a project selection phase and how carrying forward only feasible concepts optimises the 'Select' phase and reduces project recycle.

You will have an understanding of what it takes to prepare and facilitate a Concept Identification and also a Concept Selection workshop.

You will have gained these skills from seasoned professionals who have been involved directly with major projects and applying these techniques in International Oil & Gas Companies and National Oil Companies.

TOPICS

- Workshop Facilitation
- Building Uncertainty Tables and Realisations from Subsurface information
- Decision Tables and Creating Concepts
- Assessment and Selection Criteria
- Concept Identification and Concept Selection Workshops
- Establishing Project Feasibility
- Decision-making and Concept Selection
- Testing Decision Quality

DAILY AGENDA

Day 1: Project Framing and Concept Identification

- Background
 - Introduction to the Training
 - Workshop Facilitation Techniques
 - Recap of Framing
- Concept Identification
 - Overview
 - Uncertainties and Outcomes
 - Building alternative External Worlds – 'Realisations'
 - Decisions and Options
 - Case Study Introduction

Day 2: Developing Concept Options and Establishing Project Feasibility

- Concept Options
 - Building alternative Development Concepts
 - Assessing Scenario's
 - Assessment / Selection Criteria
 - The Concept Identification Workshop
- Feasibility
 - Establishing Feasibility

Day 3: The Concept Select Phase

- Concept Selection Phase
 - Recap Days 1 & 2
 - Select Planning / Managing work by Decisions
 - Select Planning Workshop
 - Quality of Decisions
 - Concept Select Workshops
- Wrap-Up
 - What we've Covered
 - Phasing

INSTRUCTOR:

Phil Tudhope is currently Director of a consulting company, specialising in technical and project management training for graduates and more senior technical staff. He has a first class honours B.Sc. in Mechanical Engineering from Bristol University and is a Chartered Engineer, Fellow of the Institution of Mechanical Engineers and Associate Member of the Institution of Chemical Engineers.

Phil has 40 years' experience in Project Management, Technical Development and Change Management in the oil & gas industry and proven technical and managerial capabilities to achieve results with a strong business focus and to effect significant positive change. He is a specialist in front-end (feasibility & concept selection) phases of upstream oil & gas developments with midstream (LNG) experience and project execution experience and has the ability to perform analysis and development work as well as lead and motivate teams.

Amongst other roles, he was Specialist Front End Advisor at Petronas Carigali, Chief Process Engineer at BG Group and Head of Upstream Engineering at Shell Technology India. He has experience worldwide in differing political, social and remote environments, having worked overseas for 28 years including the Far East, USA, Europe, the Middle East and India.

Phil is an experienced instructor and has designed and facilitated over 50 workshops including; Opportunity Framing, Concept Identification and Selection, Value Engineering, Risk Management, Contract Management and Produce-the-Limit.

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