

MDP and Concept Selection Workshop

Duration 3 days

DATE: 18 - 20 December 2017, TEHRAN, IRAN

۲۷ - ۲۹ آذر ماه ۱۳۹۶

● PURPOSE

The real value of a oil field development is created during concept selection. Once the project is in execution, there is little chance to change anything. But often, the early stage is troubled with false starts, rework, and a lack of commitment to the chosen development. As a result, projects are delayed or deferred instead of going ahead.

This course describes a structured way to progress from exploration success, through assessing feasibility of a project, to concept selection and preparation of an MDP. It is not a course in discipline engineering; it focusses on the integration of discipline work to efficiently select a concept which meets the company value drivers. The course will be of value to anyone who is working in a team preparing MDPs. The majority of international oil companies use a similar process, and so this course will also be invaluable to anyone who may be partnering with or reviewing

● AUDIENCE

Staff at team leader and engineer level from the following companies:

- Investment companies, who want to understand how the oil industry prepares plans for fields in which they may invest.
- Large oil and gas development companies, who need a consistent and efficient way of preparing MDPs.
- Small development companies, who want to partner confidently with larger ones.
- Engineering design contractors, who want to demonstrate a robust way of working to their clients.

Staff from all technical disciplines (drilling, subsurface and engineering) are welcome.

● INSTRUCTOR



David Brindle

David Brindle has over thirty two years' experience in the oil and gas industry. He has a Master's Degree in Engineering from Queens' College, Cambridge, England, and is a Fellow of the Institute of Mechanical Engineers in London. During his career he has worked for British Petroleum for ten years, and Royal Dutch Shell for twenty two years. He has lived in Europe, Africa and the Middle East and has first hand experience of the oil and gas industry in these regions. His job is managing

the early development of opportunities, from an exploration success through concept selection to the preparation of a Master Development Plan. His special skill is driving the integration of teams, ensuring that disciplines work together, development plans are coherent, and that the optimum subsurface and surface concept is selected. He has worked in teams within BP and Shell to progress development plans for equity fields, assess the value of fields for acquisition or disposal, and prepare development plans for fields for National Oil Company clients.

● LEARNING OBJECTIVES

- To understand the key steps involved in assessing opportunities, selecting the concept and writing an MDP for an oil or gas discovery.
- To understand the standard process international oil companies use to do this.
- To see real life examples of opportunity framing, concept identification and selection.
- To be able to work effectively in an integrated team who are creating MDPs.

● AGENDA

● DAY 1: IDENTIFY THE OPPORTUNITY

Introduction to Front End Development: why is it important, the steps required for success.

Opportunity Framing: so that the whole team understands and agrees on the opportunity, the possibilities, the limits, and the goal.

Risk Identification and Management: to identify at the earliest stage the key issues around the project that could represent a technical or commercial risk, how to quantify the risks, and manage the risk level.

Quality Control and Technical Assurance: to list the critical deliverables at this stage, who is responsible for writing and checking them, and how to assure that staff are competent for their role.

● DAY 2: ASSESS THE PROJECT

Assess Feasibility of the project: create subsurface realisations and surface concepts, create possible development scenarios, and assess whether the project is economically attractive against the company investment hurdles.

Contract Strategy: how would the possible concepts be constructed, what are the logical contract scopes, and how the contracts will be managed.

Cost Estimate and Economics: estimating drilling and facilities costs, combining into a single estimate, define contingency and accuracy, and evaluate economic indicators such as NPV and VIR.

● DAY 3: SELECT THE CONCEPT

Choose the optimum concept: managing the key decisions to select a concept, demonstrating decision quality, shortlisting concepts and final selection against value drivers.

Contract Tactics: how will the project scope be contracted out into the market, bid lists, prequalification, tender and award tactics.

Value engineering: how to refine the design scope to reduce cost and improve value before further engineering begins.

Writing the MDP: standard table of contents, the cross check and summary.

Next Steps: the pre-FEED work required before reaching the decision to proceed and the Effective Date of the project.

The course will consist of presentations, real life examples, and classroom exercises. Participants will have adequate time to pose questions for discussion.

Language	Location	Date	Fee(Euro)	Registration Contacts
 English	Tehran-Iran	18-20 December 2017 ۲۷-۲۹ آذر ماه	۷۵۰ یورو	مدیر برنامه کامران جوادی ۰۹۱۲۸۳۸۳۹۹۸ ۰۲۱۸۸۵۵۸۷۵۰ kamran@cbcoilandgas.com