



## Field Development

Your best opportunity to make key decisions that will affect the future success of your asset. Field development draws on the expertise, innovation and imagination of Cobra's consultants and associates which helps you assess the options available and make the right decisions for the development of your asset.

### Get the best start

At the earliest stages of project development, we can tap in to the full life cycle capability and experience of our consultants and associates. Using proven techniques, we combine customer stakeholders with relevant experts to identify and explore project drivers. By working with you to identify the key issues affecting various disciplines such as HSE, drilling, engineering, construction and operations, we take a holistic approach to identifying and evaluating development concepts.

Cobra has deep practical experience across a wide range of markets and facilities and specialist networks which we engage to identify and develop solutions that are well designed, easy to build and install, fully operable and above all safe and environmentally conscious.

### Open the door to opportunity

Access to meaningful data on which to evaluate project economics and technical viability is often limited during the earliest stages of field development. At this point with limited information and nothing fully defined only very broad estimates are possible, order-of-magnitude estimates rely more on judgement and experience which we have in abundance. Our ability to overlay real data and project experience from our experience of leading projects of global significance helps us support and supplement limited or missing information, to give more reliable estimates even in these early stages.

Early phase solutions enable clients to perform a broad evaluation of prospects and new business opportunities in the absence of a complete data set.

As a development moves through the exploration phase, we can work with you to demonstrate technical and economic feasibility. In the feasibility phase, we apply our expertise to identify and evaluate potential development concepts. High-level studies will typically be conducted by our study managers and study teams comprising personnel with analogous experience in similar developments and who can provide relevant direction and guidance.

Typical concept appraisal (opportunity assessment) services include:

- Market evaluations
- Country specific legislation and infrastructure
- Workshop facilitation
- Conceptual brainstorming to identify viable concepts
- Screening assessments
- Project development memorandum
- Generic field development concepts
- Order-of-magnitude cost estimates
- Project management systems / development decision gate processes
- Scoping of further studies to support the next development phases

Cobra's practical experience gained from our involvement in the design, construction and operation of facilities and infrastructure provides significant value during concept selection and development.

Typical concept select services which can occur in field development and definition phases (feasibility studies) include:

- Technical and economic definition and feasibility
- Identification of technical risks
- Feasibility studies to remove uncertainties
- Weight and cost estimates and development schedule
- Assessment of concept against customer drivers and selection criteria
- Concept recommendation
- Value engineering
- Assistance with regulatory process
- Guidance for next phase of development

Our conceptual studies group is a specialist engineering consultancy providing independent, innovative and responsive feasibility and conceptual field development studies executed by experienced engineers possessing early phase skills and mind sets. We work with you to deliver what you want and what you need.

To find out more or to speak to an expert...

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