



Cobra Engineering Consulting  
We can get more, on and offshore





We will work with you to find the right concept and design by helping you make the right decision where it matter most... at the start.

**Our highly talented consultants have hundreds of years of combined deep practical experience delivering a wide range of solutions in technically challenging environments. With a wealth of specialist expertise and a diverse customer experience our network is well placed to advise on the particular issues within the energy and process industries.**

#### Helping our customers make informed decisions

The technical services of our consultants draws from this experience to build insight and understanding, helping our customers make informed decisions around complex assets. With a complementary mix of skill sets we leverage the experience of our associates competence across the business to deliver informed support. Our customers include owners, operators, reservoir consultancies, insurers, financial institutions, loss adjusters and specialist consultants. Our core services include:

- Feasibility analysis, concept development, and pre-FEED
- Front end project execution and design reviews
- Specialist studies, technology assessment and verification
- Decision support for effective field development planning
- Safety and environmental assessment
- Owners Engineering

#### Adding value from the start

Bringing the right level of rigour and consideration in the early stages can return enormous value to your project. In the conceptual stages the ability to influence the design is high and the cost of change is low. These early phases offer tremendous opportunity to experiment with alternatives without impacting overall design costs, and in many cases reducing it by building in extensibility and eliminating rework.

#### Conceptual thinking with practical foundations

Our unique experience having worked for some of the most renowned consultancies and extensive client base means we can offer a multi-disciplined skill set across a global network of engineers. Having a strong connection to live operations gives us the opportunity to realistically benchmark costs and apply the right technologies to bring accuracy, value and assurance to our customers. The projects we undertake worldwide allow us to bring unrivalled experience of asset types, complex challenges and extreme environments to our work so you can be sure of a thoroughly tested and proven solution.

#### Independence and continuity

Our independent approach allows us to select and recommend the best solution, using advice founded on our broad experience. Our global experience drawn from our consultants and associates means we understand the requirements of all stages in the asset life cycle, so we can help you plan, integrate and transition seamlessly. We have the capability to progressive from our core conceptual expertise to a role as your owner's engineer.

#### Managing Risk

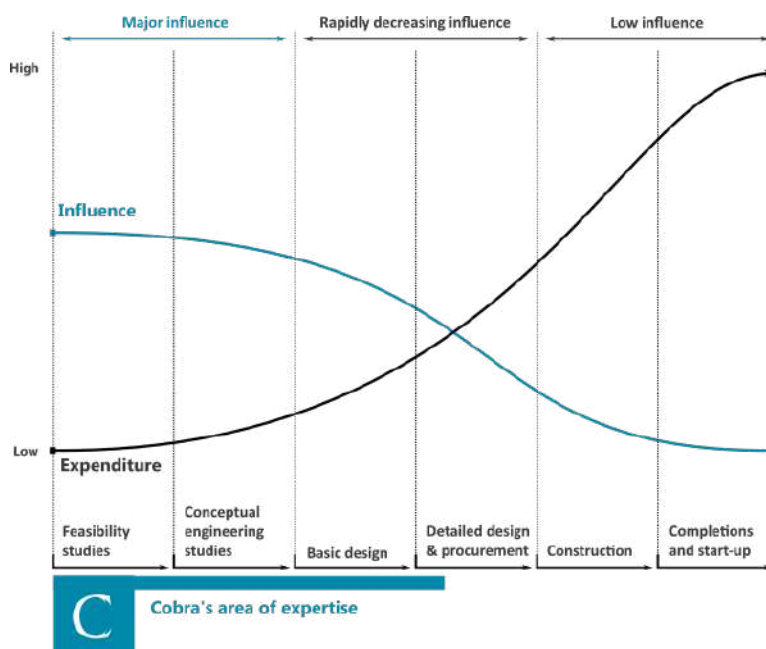
Hazard management and risk mitigation is crucial for delivering safe design and operation of your asset. We design safety in to our solutions and have a strong focus on safety whatever the task. Functional safety goes beyond regulatory compliance to deliver assurance and reliability of operation in all stages of the asset life cycle..



## Our advantage

Our experience spans many regions and markets, allowing us to offer relevant guidance backed by operational understanding. We can contribute across a comprehensive range of scenarios including:

- Onshore facilities & Offshore facilities of all types;
- Environmentally sensitive regions;
- Remote locations and harsh conditions requiring fresh approaches;
- Technically challenging developments;
- Floating facilities;
- Deepwater facilities;
- Commissioning and Decommissioning;
- Modular concepts for remote onshore and offshore applications;
- Heavy and difficult oil processing;
- Sour services including H<sub>2</sub>S / CO<sub>2</sub> removal;
- Carbon Capture & Sequestration (CCS);
- Clean Energy solutions.



We have key areas of expertise across onshore and offshore developments that extend from subsea systems and production facilities through pumping and infrastructure to processing, storage and sales, our knowledge covers the energy, process, utilities and industrial markets as well as clean energy sectors which are all close to our hearts and personal values.

## Capability with vision?

Capability across all phases of the Conceptual Engineering life-cycle including:

- (Pre-) Feasibility;
- Concept Appraise & Select;
- Field Development;
- Pre-FEED;
- Progression from the Conceptual phases to offer continuity, supporting further stages as Owners Engineer;
- Leading appropriate health safety, environment and quality (HSEQ) studies and managing your risk;
- Various specialist service as one-off studies;

We have multi-discipline resource base enables realization of project opportunities through the development of cost effective, efficient and flexible solutions.

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

[www.expertswithenergy.com](http://www.expertswithenergy.com)

[info@expertswithenergy.com](mailto:info@expertswithenergy.com)

## Why Cobra?

- Truly Independent consultancy offering unbiased service;  
A dynamic customer driven team with meeting client needs at the heart of everything we do;
- Flexibility to carry out all manner of studies from small advisory roles to large complex studies;
- Extensive understanding of asset options and formats;  
Operational experience brings realistic background detail to concepts;
- Independent thinking selects most appropriate solution;  
Life cycle experience brings deeper understanding of effective designs;
- Multi-discipline engineering experience with specialist and niche services;
- Complete alignment with customer drivers to streamline decisions;
- Our extensive experience in the Front-End arena means we have strong alliances with other independent groups through networks and contacts built up over many years, meaning we can offer a dynamic, flexible, fit for purpose knowledge base;
- Result driven and tailored deliverables. You will get honest and straight results backed up by facts and figures;
- We have a track record, have done this before for many years and still doing it today!
- Above all the old Cliché of your success is our success genuinely applies to us.
- Our studies service is a specialist engineering consultancy providing independent, innovative and responsive feasibility and conceptual field development studies. Try us for a fresh approach.

## World class experience that counts

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