

Decommissioning



ode
A DORIS Group Company

think **safety**
design **safety**
deliver **safety** the **ode** way

Deliver Safe and Sound Projects in a Cost Driven Environment

ODE has built an enviable position in decommissioning and abandonment projects, providing services covering all stages of a project from Concept to Execution.

With more than 15 years' experience in this emerging and active sector, ODE has been involved throughout the various stages in some challenging projects e.g. Maureen Alpha, Brent Delta, Camelot CB, Windermere are continually adding to our experience.

Decommissioning Value Assessment

Based on Oil and Gas UK guidelines, ODE has developed a methodology and a software tool that are used as the basis of all our abandonment and decommissioning value assessment work.

This service has been successfully delivered to many clients; Shell, BP, DONG, DEA UK to name a few in the context of due diligence exercise and estimation of decommissioning liabilities.

Select Phase Studies

ODE has designed a robust process which is undertaken in order to screen and assess numerous decommissioning options including innovative technologies, to highlight project opportunities and risks at a conceptual level.

Define Phase

ODE delivers decommissioning projects from conceptual to detailed by planning the execution of the decommissioning programme, ensuring that the operation will be technical and economically safe and sound. This involves activities such as Contractor Engagement, Permits and Consents Support and De-Risk Studies (Engineering and HSE).

Execution Phase

ODE's expertise ensures that through the all stages of the Decommissioning project, we maintain continuity and efficiency whilst minimising risks.

ODE will apply this expertise to the benefit of the project by undertaking Project Management Roles, Engineering Consultant Services and act as Client Representative during the Execution Phase.

Furthermore, ODE provides assistance to the project by completing physical preparatory tasks prior to the removal of the assets. Our Operational Team has the correct competencies and experience to successfully undertake all Disconnection and Making Safe operations.

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We believe there is a smarter way

Decommissioning Value Assessment

- We Follow O&G UK WBS and Guidance
- Economics, due diligence and liabilities
- Multiple assets type and decom methods for both on and offshore facilities
- Utilising Simple Logic
- Includes P&A cost estimates
- Capability for probabilistic approach

Select Phase: to identify strategy

- Identify opportunities and threats to the project
- Gather and evaluate available documentation
- Identify, assess and compare decommissioning options
- Contractors consultations to inform project
- Semi-quantitative comparative assessment workshops to evaluate and rank options
- Based on safety, technical, environmental, sociological and economic factors
- Prepare draft key documents: Decom Programme, Contracting Strategy, Execution Scopes of Work, Stakeholder Engagement, etc

Define Phase

Contractor Engagement

- From pre-qualification to contract award
- Prepare full tender documentation
- Evaluation of contractor's responses

Permits and Consents

- Develop optimised permits plan
- Conduct preparation activities

De-Risking Activities

- Execute assets surveys with our Operation Team
- Conduct engineering feasibility studies to inform and verify contractors propositions
- Conduct detailed engineering studies (only) when required
- Conduct HSSE studies to mitigate operational risks

Execution Planning

- Detailed operation schedule and cost estimate
- Development of interface matrix and register

Execution Phase

Owner's Engineer Services

Project Management

- Preparation of key execution documents
- Interface and risk management

Engineering Consultancy Services

- Review detail engineering document from contractors
- Prepare any extra documentation when required

Client's Representative Role

- Witness equipment mobilisation
- Audit contractors when required
- Supervise on and offshore key operations
- Project cost and schedule control

Contractor Services

Construction Support

Our Operational Team plans and conducts all activities required to isolate, disconnect and make safe the platform during Lifting Vessel Mobilisation.

Asset Management

ODE has extensive experience in value driven asset management ensuring a safe transition from operations through to removal and disposal.

Managing
risk and
maximising
value through
late life

Some previous select/define/execute projects:

ConocoPhillips - Bacton Gas Terminal
Fairfield Energy - Dunlin Alpha
Tullow Oil - Horne & Wren
TAQA - Cormorant Alpha

Shell - Brent Delta
Total - MCP01
ExxonMobil - Camelot CB
DEA UK - Windermere

Summit Pet.- Alba
Phillips Pet - Maureen Alpha
Dong Energy - Siri & Satellites

Value
Assessment

Clarify

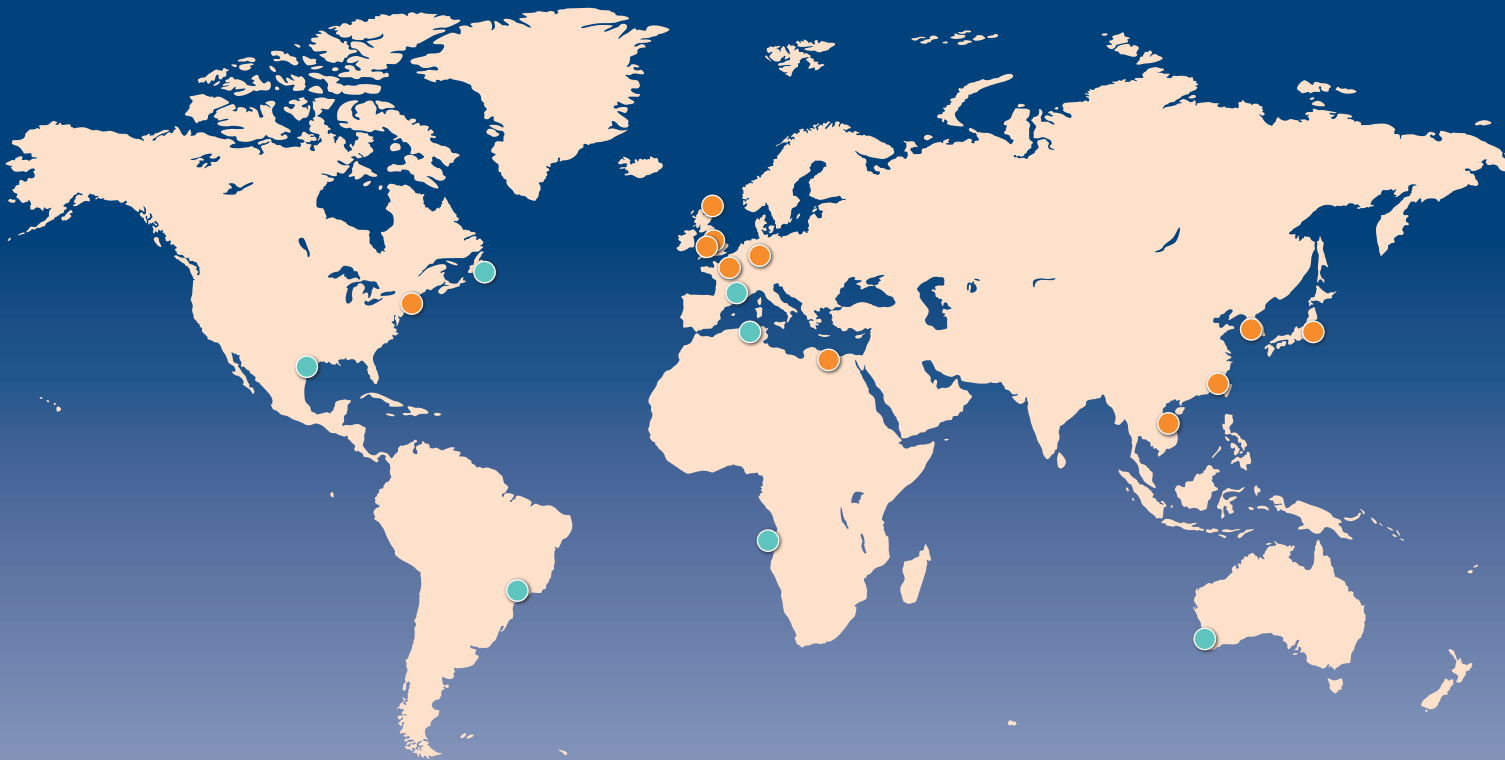
Select
(pre FEED)

Define
(FEED)

Execute

Close Out

Energy is changing and we are the energy for change



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