

Brownfield Engineering



ode

A DORIS Group Company

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

Established in 1978, ODE Ltd is an international engineering contractor to the oil, gas and renewable energy markets. As a part of the Doris Group ODE can draw on 50 years' experience as a market leading engineering company, providing a comprehensive range of consultancy, engineering, project management and operations services to on and offshore energy projects in both greenfield and brownfield environments.

Approach

With a proven track record at maximising economic value from engineering projects delivered through a robust attitude to value adding engineering practices and ensuring that the engineering approach is practical, hands on and provides a fit for purpose solution.

ODE provides quality brown field engineering in support of FPSO's, Platforms, NUI and onshore terminals through a value driven approach.

Supply Chain

ODE has an extensive established relationship with preferred contractors ensuring that there is a greater certainty in the quality of execution and the ability to manage projects of all sizes in a flexible and robust way.

Assurance

Competent and experienced personnel who have a long track record of working with ODE ensuring continuity and retention of knowledge and experience.

An established project execution system that can be adapted to meet specific client needs. Ensuring that quality processes and procedures remain robust whilst ensuring that all activities are value adding.

Safety

An exemplary HSE record with ODE winning the Royal Society for the Prevention of Accidents (RoSPA) Gold Medal every year since 2009 and nominated for British Safety Council Oil & Gas Industry award. ODE has executed over 3 million project man-hours in the last 5 years and 15 years operating assets without an LTI.

ODE routinely works on a variety of concurrent projects and modifications on live platforms for various operators.



We believe there is a smarter way

Initial Assessment & Scope Definition

- Operational/technical challenge or opportunity from the client.
- Data gathering and diagnostics on and offshore
- Define the problem (based on operational knowledge)
- Identify and categorise a range of potential solutions (operational or engineering)
- Make recommendation (cost / value / schedule / safety / environmental etc)
- Feasibility studies and technical evaluation
- Multi-disciplined offshore survey teams

Detailed Design

- Draw upon extensive operational experience of brownfield assets during the design phase
- Project team is optimised to suit project requirements
- Flexible collaborative and integrated approach with clients' engineering team

Implementation

(Construction & Commissioning)

- Workpack development and constructability reviews
- Risk assessment and tech safety (HAZOP, HAZID, SIMMOPS)
- Procurement / fabrication through our supply chain management
- In-house resource of offshore supervision and technical teams
- Framework agreements with specialist subcontractors
- Quayside facilities and warehousing
- Close out and as building

Turning challenges into fit for purpose solutions

ODE delivers to our clients fit for purpose tailor made solutions through a team of highly experienced multi-disciplined engineers and technicians.

Recent work includes: DEA UK - Clipper South & Cavendish Platforms
E-ON - Babbage Platform, Johnston, Hunter & Rita Subsea Wells
Perenco - Tyne, Inde 18B, Ravenspurn, Hoton Platforms & Bacton Terminal
Interconnector - Bacton & Zeebrugge Terminals



Scopes

- 20+ well flowlines including metering and sand detection / removal
- 5+ rig interfaces incorporating bridges and E&I tie-ins
- Produced water treatment systems
- Technical support / production engineering for operations
- Shutdown planning and support
- On and offshore compression rationalisation
- Debottlenecking and efficiency studies
- Helideck lighting and fire fighting upgrades (DIFFs) to meet CAP437
- Power generation and UPS upgrades and replacements
- Modifications to control and F&G systems
- Fabric maintenance and repairs
- Onshore terminal integration
- Disciplines include; piping, structural, E&I & C, process, flow assurance, Tech safety, Naval Architects, etc.

Problem
Definition &
Surveys

Option
Evaluation
& Studies

Engineering
Design

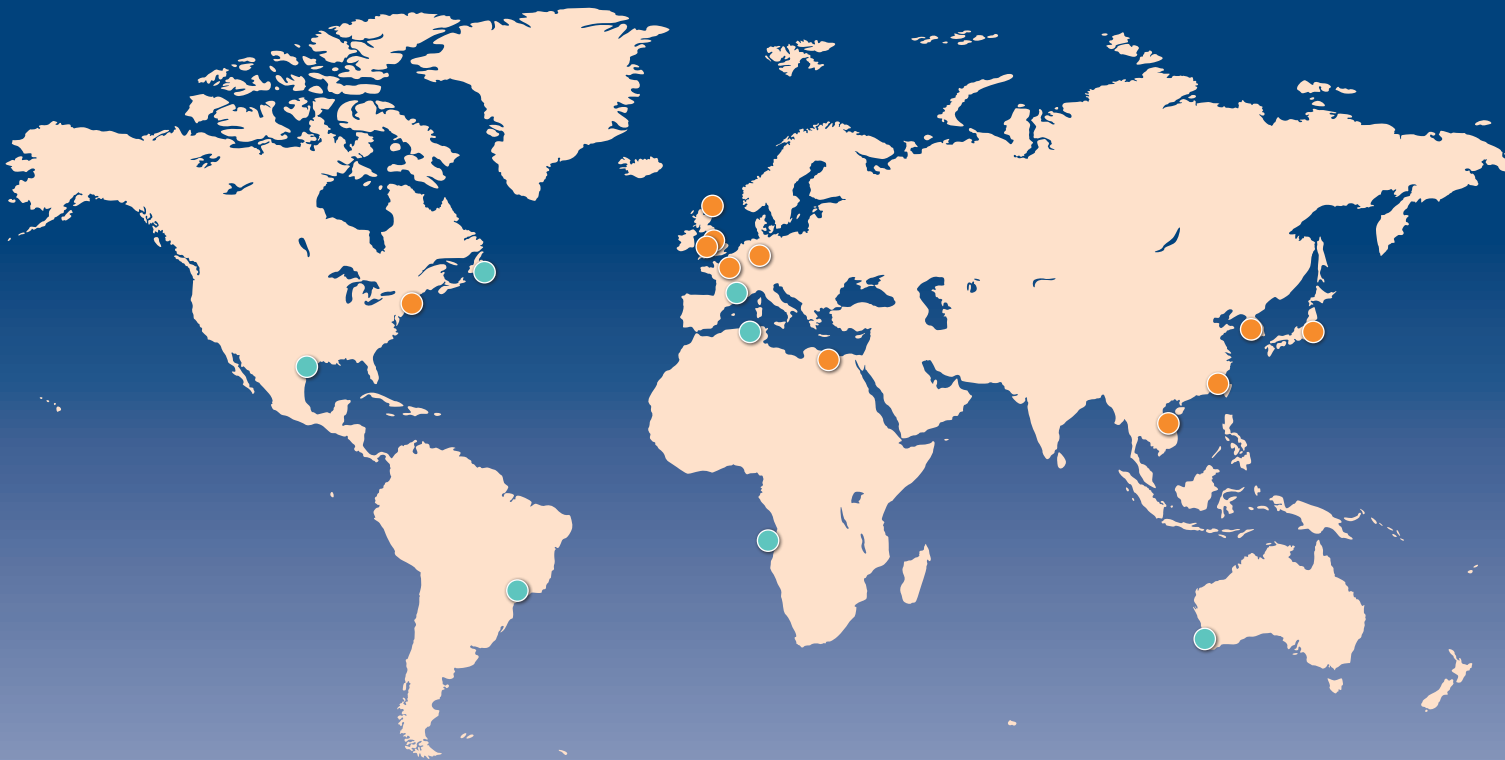
Procurement
& Fabrication

Construction &
Pre-Commissioning

Commissioning
& Startup

Operations
& Maintenance

Energy is changing and we are the energy for change



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ODE is a subsidiary of DORIS,
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