

Loss prevention and safety engineering



ode

A DORIS Group Company

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

Safety in Design and Loss Prevention

The ODE team can assist in defining projects' safety and environmental considerations, accounting for the specific client requirements.

When designing for loss prevention the principals of inherent safety are applied to ensure that the outcomes of risk assessments influence design operations.

Hazard Identification

ODE facilitates a wide range of workshops such as HAZIDs, HAZOPs, to highlight possible sources of harm.

Assisting clients in the identification of safety, environmental and production critical elements, developing methodologies for their assessment, verification and through life management.

Risk Assessment

ODE applies recognised quantitative and qualitative techniques to assess risk and develop robust control measures, striving to reduce risk to a level considered As Low As Reasonably Practicable (ALARP).

Safety and Environmental Management Systems

ODE strives to ensure that Safety and Environmental Management Systems address all identified risks and are fully integrated with operations and business management systems.

Clients look to ODE to develop efficient methods to manage their assets safely and to develop and enhance their organisation's performance.

Safety Case

The ODE team brings together extensive safety engineering and operations experience to support clients with the safety case developments process to meet the most demanding UK and international regulations. Support is provided throughout the regulatory submissions and approvals process.



We believe there is a smarter way

Risk Assessment

Hazard Identification

- HAZIDs, HAZOPs, SWIFT
- FMEA / FMECA

ALARP Demonstration

- ALARP Arguments and Reports
- Cost-Benefit Analysis

Quantitative Risk Assessment and Modelling

- Fire and Explosion / Blast
- Flammable / Toxic Gas Dispersion
- EERA, ESSA, TRIA
- QRA
- Fault Trees and Event Trees

Identification and Assessment of Control Measures

- SIL Assessment / Verification
- LOPA, Bow-tie Analysis
- Safety and Environmentally Critical Element Identification
- Performance Standards

Semi-Quantitative / Qualitative Risk Assessment

- Transport (Air, Marine)
- Diving / Support Vessels
- Dropped Objects
- Ship Collision

Safety in Design and Loss Prevention

- Describe Facilities Operations and Activities
- Provide Safety Layouts, Hazardous Area Classifications and Drawings
- Describe Safety Features and Emergency Systems as part of integrated designs
- Define Safety and Environmental Philosophies



Management Systems

Emergency Preparedness

- Plans and Procedures
- Training Requirements
- Effectiveness Assessment

Control of Work

- SIMOPs / CONOPs
- Permit to Work

Audits and Reviews

- Independent Audits
- Safety Case Reviews
- KPI Development
- Performance Reviews
- Due Dilligence
- Occupational Health

- Human Factors Assessments
- HSE Systems - Development and Update
- Define/Update HSE Standards and Procedures
- Field Management and Contractor Responsibility Planning



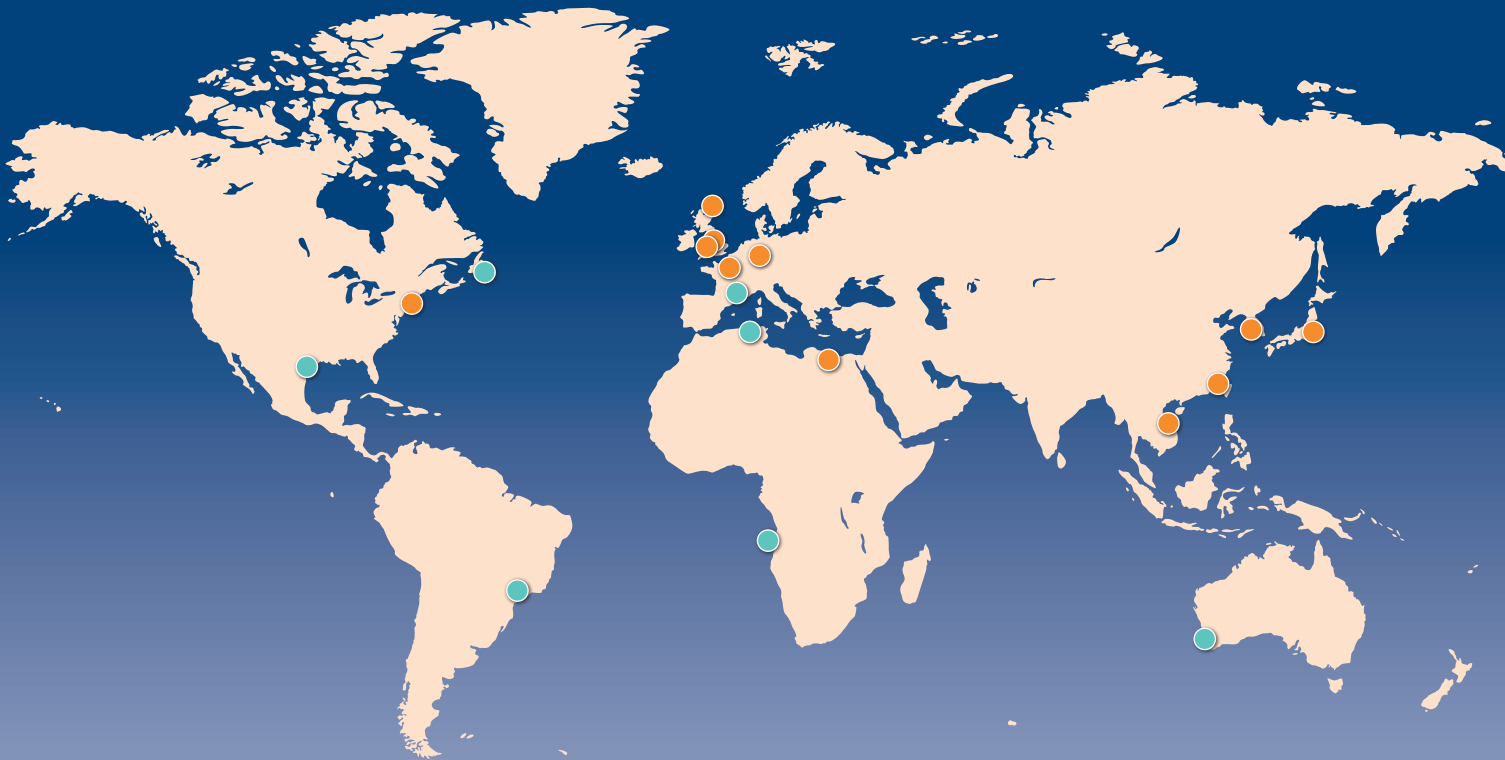
**Expertise
in safety
and risk
management**

We provide independent safety management services to cover all stages of the safety life cycle or as an integrated part of a project team.

We assist through our expertise in safety engineering, risk assessment and management systems to develop robust projects or carry out studies in line with best industry practices and applicable regulations.



Energy is changing and we are the energy for change



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ODE is a subsidiary of DORIS,
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