



FUGRO ENVIRONMENTAL CONSULTANCY - OIL AND GAS

The oil and gas sector is dynamic and ever-changing, from new fields being developed in increasingly challenging locations, to the decommissioning of mature fields in well-known petroleum basins. Due consideration of the environment and its protection are required in the pursuit of all these activities, whether governed by legislation and regulation or by corporate due diligence.

Oil & gas operators are required to demonstrate sound environmental management when undertaking exploration, development and decommissioning activities around the world. Working directly alongside oil and gas operators and regulators, Fugro's marine environmental consultants provide a range of services, in order to achieve a smooth environmental consenting/approval process.

Our Environmental Consultants work closely with other departments of the Fugro Group, delivering holistic survey, data interpretation and cost-effective, analytical solutions, based on robust scientific understanding.

Fugro services include:

- Environmental Impact Assessment (EIA)
- Strategic Environmental Assessment (SEA)
- Environmental consents, permits and reporting
- Oil Pollution Emergency Planning (OPEP) and Oil Spill Contingency/ Response Planning (OSCP / OSRP)
- Consultation support with regulators and other stakeholders
- Training and industry advice



Advising on the design and undertaking of environmental baseline surveys.

ENVIRONMENTAL IMPACT ASSESSMENTS

An Environmental Impact Assessment is one of the principal decision making tools considered by regulators when approving projects that may have an impact on the environment.

Fugro undertakes a range of activities:

- Screening and scoping
- Environmental issues identification workshops (ENVID)
- Data collation and identification of data gaps
- Designing and undertaking Environmental Baseline Surveys
- Environmental Statement
- Regulator and other stakeholder consultation
- Recommend mitigation measures and preparation of environmental monitoring plans (EMP)

Fugro has delivered regulatory approvals for global exploration, development and decommissioning projects, following formalised and industry acknowledged EIA methodologies.

OIL SPILL CONTINGENCY

Oil Pollution Emergency Plans (OPEPs) are legal requirements for many regulatory regimes. OPEPs are designed to prepare operators and authorities to deal with all categories of accidental hydrocarbon spills. Fugro has prepared numerous OPEPs including plans for standalone drilling operations, multiple offshore production installations, pipelines and fields, as well as decommissioning operations.

Fugro also provides Financial Responsibility Banding Analysis, to show that operators have sufficient insurance in place in the event of a worst case scenario oil spill, and Major Environmental Incident (MEI) Assessment, using modelling data to analyse environmental liabilities with the potential to be affected by an oil spill.

CONSENT AND PERMITTING

For operations in the UK, Fugro's marine environmental consultancy team supports clients with a variety of consenting and



Undertaking environmental assessments and decommissioning services.

permitting services, including:

- Master Application Template (MAT) and Subsidiary Application Template (SAT)
- Regulator and statutory advisor consultation
- Chemical Hazard Assessment and Risk Management (CHARM) modelling
- Wildlife disturbance licences such as European Protected Species (EPS)
- Oil Pollution Prevention and Control (OPPC) permit applications
- Offshore Chemical Tracking (OCT) and subsequent Environmental and Emissions Monitoring System (EEMS) reporting utilising OCT software.

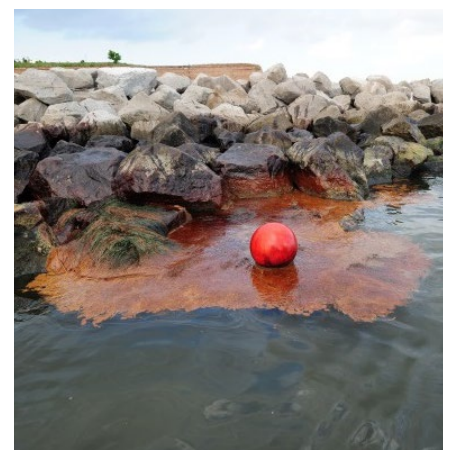


Offering support for regulator and stakeholder consultation.

DECOMMISSIONING

Fugro's services include:

- Pre and post-abandonment environmental surveys & survey design
- Environmental Impact Assessment
- Comparative Assessments of decommissioning options
- Advice on consenting requirements
- Environmental consent applications
- Support and input on environmental sections of decommissioning plans



Provision of oil spill contingency planning and oil pollution emergency planning.