



## OIL AND GAS

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**UNDERSTANDING**  
*your operational objectives*

**TACKLING**  
*your complex challenges*

**DELIVERING**  
*your global success stories*

# FIELD DEVELOPMENT

The right strategy is fundamental to developing prospects and realizing project objectives in safe, economical and timely ways. Armed with detailed interpretations of surface and subsurface properties, appropriate field development methodologies and support resources can be determined with confidence. That's why developers count on Fugro to provide the complete package – integrated disciplines, expertise and technology.



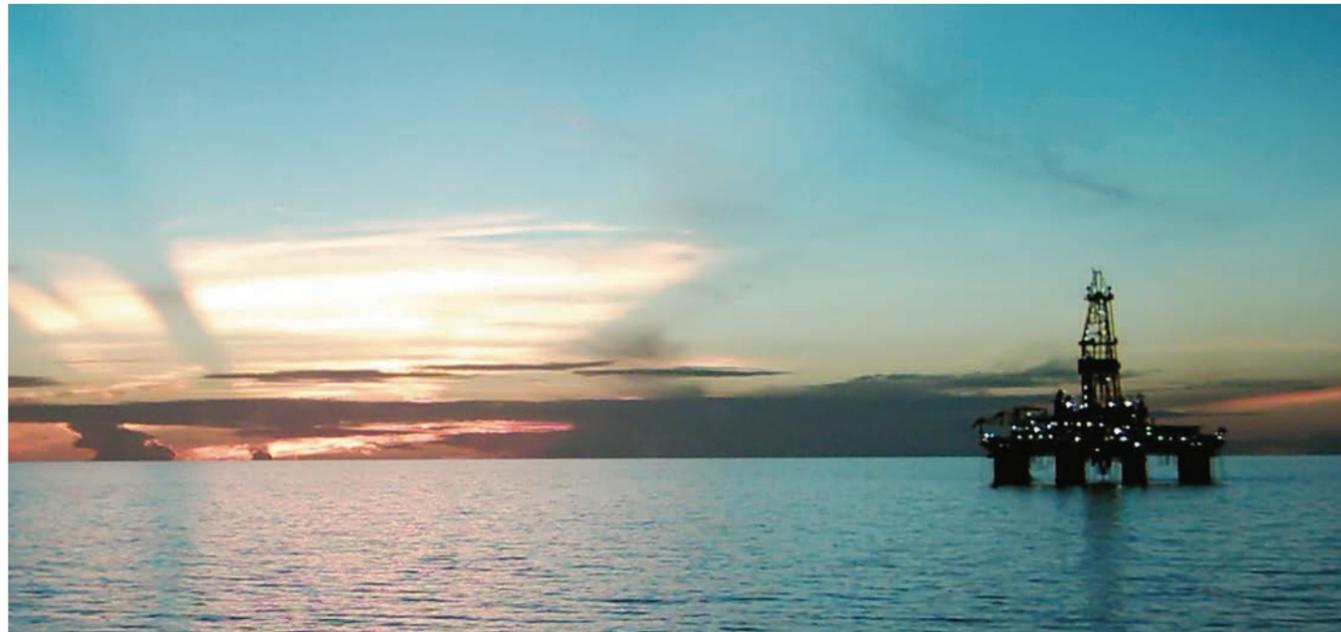
Concept Planning



Definition & Design



Construction & Project Support



## Our Expertise

From initial planning, to design and installation, Fugro provides a uniquely integrated suite of services for oil and gas field development projects. We acquire, process, assimilate and interpret geophysical and geotechnical data to define the properties of sub-bottom strata. Our geoconsultants assess potential geohazards and design risk-managed solutions. Our environmental specialists assess and mitigate the impact on natural habitats and our metocean experts monitor weather and oceanographic conditions. Fugro also provides drilling, engineering, installation support and signal positioning.

## The Benefits of Working with Fugro

Fugro understands the complex challenges and business objectives associated with oil and gas field developments. This makes for a smoother integration of operational personnel, accelerated project schedules and significant efficiency gains. We contribute vital insight, ingenuity, resources and infrastructure to help you conceive and deliver assured integrated economic solutions anywhere in the world.

Fugro screens, assesses and models data, evaluating the results and providing scenario simulations. We manage risk and provide a complete suite of services that inform the economic evaluation of both the field and required development assets.

- Reservoir characterization and modeling
- Upstream economics evaluations and valuation of assets
- Economics modeling
- Regional geohazard screening
- Geoconsulting services
- Environmental impact assessments
- Metocean studies, forecasts and monitoring

Fugro's advice and acquisition of precise data relating to selected concepts, ensures that production facilities and associated infrastructure are appropriate to the conditions of the site.

- Strategies and life-of-field programs
- Reservoir geology, geophysics and petrophysics
- Gas hydrate investigation and scientific drilling
- Reservoir engineering
- Geohazard risk analysis
- Survey design
- Geophysical surveying, processing and evaluation
- Metocean data acquisition, processing and evaluation
- Geotechnical data acquisition, processing and evaluation
- Laboratory testing
- Pipeline route optimization
- Foundation engineering

Fugro provides an extensive range of construction and project support services.

- Well design optimization, formation integrity testing and drilling
- Subsea template and infrastructure installations
- Flowline pulling and connections
- Xmas tree running
- Pilot hole drilling, top hole drilling and installation
- Pipeline route surveys, lay monitoring and as-laid profile analyses
- ROV intervention and inspection
- Metocean measuring and monitoring
- Weather forecasting
- Offshore positioning
- Data management

