

# Water and Sediment Quality



Providing water and sediment quality services to support developers, regulators and stakeholders in coastal, marine and estuarine environments worldwide.

## Water and Sediment Quality Services

**Fugro EMU Limited offers practical and innovative water and sediment quality services for all sectors and stakeholders operating in the marine and coastal environment, including regulators, local authorities, water companies and developers of projects such as ports and harbours, desalination, renewables and non-renewable energy in both foreign and domestic markets.**

Fugro EMU offers a practical approach to water and sediment quality investigations; project managing all stages to meet the needs of our clients. This includes working with regulators to ensure the scope of work is fit for purpose, managing the design of projects, and utilising our coastal and offshore survey capability, in-house UKAS<sup>1</sup> accredited laboratories and extensive data interpretation capabilities.

Fugro EMU's consultancy, laboratory and survey groups provide the following services:

- Designated waters compliance monitoring and failure investigations
- Swimming pool and spa microbiological testing
- Effluent and suspended sediment dispersion and dilution studies
- Tracer studies
- Management and delivery of water and sediment sampling programmes
- Laboratory sample analysis services
- Facilities / ships water system monitoring / testing
- Deployment, maintenance and servicing of in-situ multi-parameter instrumentation
- Auto sampling of environmental and process waters
- Environmental risk assessments (including H1)
- Discharge consent application, performance and compliance monitoring
- Baseline environmental surveys
- Environmental impact assessment
- Marine oil and chemical spill contingency plans



*Investigating bathing water compliance*



*Water quality sampling*



*Sediment chemical analysis*

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## Consultancy Services

**Fugro EMU support developers and decision-makers wishing to undertake infrastructure projects or to assess compliance / performance of existing infrastructure within the coastal and marine environment.**

Fugro EMU is experienced in supporting clients in all phases of marine projects from baseline data acquisition and consent application through to discharging of post-consent conditions, operational monitoring and contingency planning. Fugro EMU operates to ISO quality standards to provide an impartial and independent service.

## Field Survey Services

**Fugro EMU offers professional water quality and sediment field survey and data acquisition services for a wide range of sectors and clients.**

Our specialist survey groups undertake sampling / monitoring of the following: Effluents – waste water, trade and cooling water

- Environmental waters, sediments and soils
- Process waters
- Potable waters
- Leisure / recreational waters

## Laboratory Services

Fugro EMU's UKAS<sup>1</sup> accredited laboratories provide professional high quality analytical services for marine, freshwater, process and potable waters, sediments and soils including microbiological and chemical testing as well as environmental tracer analysis.



<sup>1</sup> - a UKAS accredited testing laboratory No. 1272

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