



**solving
environmental
problems**





environmental monitoring and assessment

balancing competing interests As coastal areas face increasing pressure from development, there is often an inherent conflict between exploitation of resources and the conservation of the environment. No longer can environmental issues be seen in isolation; as our understanding of the environment has increased so has our awareness of the wide impact of management decisions.

meeting the challenge CEFAS works with governments and private sector clients around the world to solve the challenges of coastal and offshore environmental management. Our expertise in monitoring, assessing and predicting the effects of human activities, against a background of natural change in the marine environment, has been built up over fifty years. Our scientific and management consultancy services cover a wide range of coastal and marine activities, including aggregate extraction, dredging, offshore wind farm development, fishing, aquaculture, oil and gas production, effluent discharge and coastal development. We also advise governments on the development, implementation and regulation of legislation to protect the marine environment, and assist developers and industry to understand and comply with legislation.

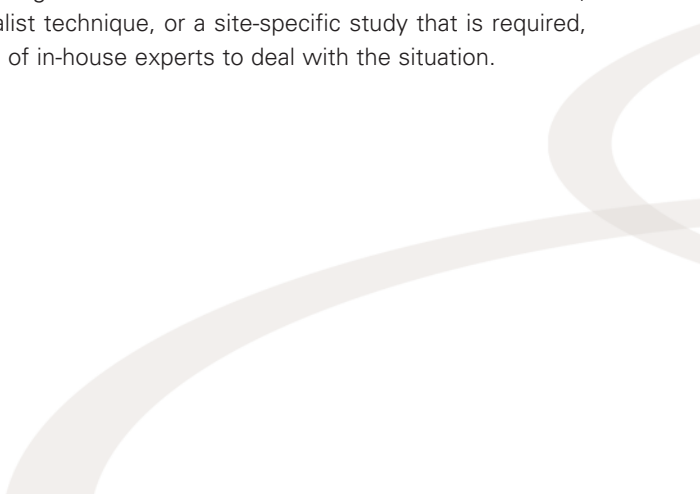


project management

strategic management We have an established track record of delivering large-scale, multi-disciplinary consortium based projects. We work in a focused, confidential and impartial way to deliver our projects to the budget and schedule agreed with our customers. Our expertise covers the full cycle of project planning, implementation, evaluation, decision-making, management and monitoring. We undertake a range of projects from the delivery of routine surveillance monitoring through to the development of institutional frameworks and the provision of advice and practical support for capacity building.

Our customers benefit from our experience and scientific expertise through skills transfer, whilst our extensive research programmes enable us to provide the latest technology and approaches used for solving environmental problems.

impact management A rapid response to unforeseen events in the marine environment can prevent or reduce long-term impacts. We work with our customers when such circumstances arise, assessing the situation and advising on impact management. Whether it is a hazard or risk assessment, application of a specialist technique, or a site-specific study that is required, we will deploy a team of in-house experts to deal with the situation.





wide-ranging expertise

environmental effects We design, implement and evaluate monitoring programmes to measure and assess environmental change. We take an ecosystem approach to assess the combined effects of multiple human activities on marine and coastal zones. Our fields of expertise include ecotoxicology, water quality assessment, understanding environmental processes, seabed surveying, seafood safety, instrumentation development and information technology. Our modern laboratories are fully equipped to provide a suite of analytical techniques for a range of contaminants in water, sediment and biota. Our key analytical systems are formally accredited to ISO standards to demonstrate their accuracy and reliability.

harnessing technology Access to high quality, accurate and robust data is crucial for decision-making and strategy development. We utilise the latest technology for *in-situ* monitoring as the most cost-effective way to collect spatial and temporal data.

We can provide real-time access to these data, which combined with a Geographic Information System (GIS), provides a powerful management tool for measuring environmental change and predicting the impacts of human activity. We have expertise in computer modelling and data integration for complex, long-term environmental assessments.



developing capability

institutional strengthening As an advisor on regulatory issues to the UK Government we are well placed to assist enforcement agencies and policy makers worldwide with the development and implementation of policy and legislation for protecting the environment.

skills transfer We believe that through the transfer of skills and expertise we can enable governments internationally to develop their own technical capabilities for environmental monitoring and assessment. This provides the regulators with the information required for making strategic management decisions and developing policy. We have undertaken capacity-building projects to governments directly, and on behalf of the EU and international donor agencies.

training We provide customised training courses for clients in a range of analytical techniques and the methodology used for monitoring and assessing the marine environment. These courses can be undertaken at our UK laboratories or delivered by our scientists on site. We also advise on the design and installation of new facilities, such as analytical equipment and monitoring instrumentation, to enable the complete transfer of skills to our client's laboratories.



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about us

CEFAS is a multi-disciplinary scientific research and consultancy centre providing a comprehensive range of services in fisheries management, environmental monitoring and assessment, and aquaculture to a large number of clients worldwide.

We have more than 500 staff, 3 laboratories and our own ocean-going research vessel, and over 100 years of fisheries experience.

We have a long and successful track record in delivering high quality services to clients in a confidential and impartial manner. (www.cefas.co.uk)

CEFAS Technology Limited (CTL) is a wholly owned subsidiary of CEFAS specialising in the application of CEFAS technology to specific customer needs in a cost effective and focussed manner.

CTL systems and services are developed by teams that are experienced in fisheries, environmental management and aquaculture, and in working closely with clients to ensure that their needs are fully met. (www.cefastechnology.co.uk)

customer focus

With our unique facilities and our breadth of expertise in environmental and fisheries management, we can rapidly put together a multi-disciplinary team of experienced specialists, fully supported by our comprehensive in-house resources.

Our existing customers are drawn from a broad spectrum with wide ranging interests. Clients include:

- international and UK government departments
- the European Commission
- the World Bank
- Food and Agriculture Organisation of the United Nations (FAO)
- oil, water, chemical, pharmaceutical, agro-chemical, aggregate and marine industries
- non-governmental and environmental organisations
- regulators and enforcement agencies
- local authorities and other public bodies

We also work successfully in partnership with other organisations, operate in international consortia and have several joint ventures commercialising our intellectual property.