

Nuclear Power

About

Nuclear Power stations pose particular challenges to designers, engineers and managers due to their coastal locations and associated high health and safety requirements.

ABPmer is a leading marine environmental consultancy and a recognised provider of specialist services to the nuclear sector.

Our long standing experience and associated portfolio mean we can offer our clients a wide range of services tailored to meeting their needs



Our Services

With nearly 60 years experience in coastal and marine works across a range of sectors, ABPmer can provide expert knowledge and practical understanding throughout the lifetime of a proposed activity or development. We offer a suite of tailor-made services and skills to assist the nuclear industry in meeting their objectives.



Bradwell

Coastal and Flood Risk Management

Managing the risk posed by flooding or erosion both now and in the future requires the application of sound science throughout a development's lifecycle. ABPmer has considerable experience in supporting flood risk management through a combination of strategic coastal process investigations coupled with local hydrodynamic, wave and tidal modelling.

Consents and Licensing Support

Planning decisions demand a high level of expert information. ABPmer offers services and skills to assist developers through the process and obtain the necessary marine consents and licenses; from scheme concept and design to its implementation and impact monitoring.

Sediment Movement and Coastal Change

Understanding how the coastal zone will evolve with a changing climate is fundamental to effectively managing risk. ABPmer's experienced modelling team uses a number of evolution modelling techniques to determine the response of estuaries and coasts to environmental and physical change.

Plume Dispersion & Water Quality

Understanding the evolution of discharge plumes in the marine environment is fundamental when undertaking environmental impact assessments associated with industrial cooling water discharges. Enhanced by data visualisation tools including animations and graphical representation, ABPmer can provide a range of 2D and 3D modelling services that take account of potential influencing factors such as plume momentum and nearfield mixing processes to assess different intake/outfall configurations under a range of scenarios.



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All photos by Skyscan and courtesy of Industcards

Further Information

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ABPmer Company Profile

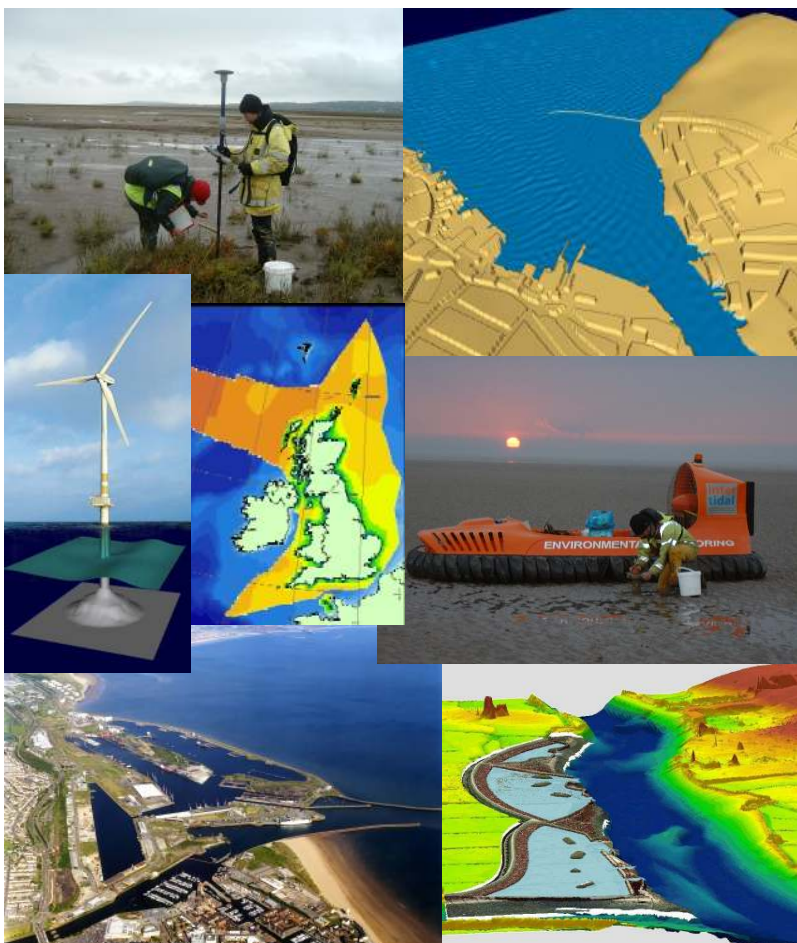
About

ABP Marine Environmental Research Ltd (ABPmer) is a leading UK marine environmental consultancy creating sustainable solutions for the marine environment. We have an excellent track record in managing and contributing to integrated environmental projects across a wide range of industries as well as undertaking strategic research for Government and its agencies.

With nearly 60 years of experience, we deliver a tailor-made service to our clients based upon a multidisciplinary approach. Our integrated capabilities allow us to offer a package of services which support projects at all stages in their life cycle, starting from initial data collection and analysis through to data management, interpretation and final reporting.

We advocate a system-based approach to the natural environment encompassing physical, biological and chemical processes, alongside development aspirations and management responsibilities.

Based in our offices in Southampton, we provide services across the UK and overseas. All our services are provided in accordance with our quality system accredited to ISO 9001:2000.



Our areas of expertise:

- Coastal change
- Coastal processes
- Consents support
- EIA & SEA
- Environmental monitoring
- Flood risk management
- Geomorphology & sedimentology
- Data management
- Environmental Survey
- GIS
- Habitat creation
- Hydraulic structures
- Hydrographic Survey
- Marine biology & ecology
- Marine planning
- Modelling
- Offshore resource assessment
- Ports, harbours, marinas
- Research
- Risk Assessment
- Sediment dynamics
- Thermal plume dispersion
- Water quality

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