



Centre for Marine and Coastal Studies Ltd

Underwater Noise Services

Noise from human activities in the marine environment can adversely affect marine animals. Impacts can range from mild disturbance to mortality.

Sources of noise include seismic surveys, vessel noise, hammer piling and drilling.

Offshore developers have responsibility to minimise impacts as far as possible. CMACS can provide technical advice and support to ensure compliance with legal requirements.

Our experience in this field includes:

- assessments for numerous major developments, including more than 7 offshore wind farms;
- Research under the Dti ETSU programme;
- Marine mammal surveys and mitigation for construction of Robin Rigg offshore wind farm
- Advice to smaller companies, such as marina operators.



Hammer piling wind turbine foundations generates significant underwater noise.



Marine mammals receive protection from acoustic disturbance under UK and European legislation.

Summary of Services

- ***EIA for fish, mammals and invertebrates***
- ***Marine mammal surveys and monitoring of other marine groups***
- ***Co-ordination of field measurements before, during and after construction works***
- ***Liaison with Regulators and consultees***
- ***Mitigation to reduce impacts to sensitive species***

CMACS can also offer bespoke mitigation through our unique consultancy-technology arrangement with Aquatec Subsea. Additional information on request.