



# Wind Energy

## Wind Energy and Near-Surface Technical Specialists

EPI offer support and supervision throughout the project life-cycle, from initial feasibility studies and scoping through to decommissioning.

Not only are we able to provide consultants, but we have the technical expertise in-house to offer reassurance and project management for the on and offshore wind sectors – both fixed and floating.

Our broad range of capabilities and expertise enable us to deliver safe, efficient and high-quality results in any environment. We tailor our services to provide specialist advice across the development, construction and monitoring of offshore wind energy sites. EPI are able to provide expert advice on:

### Environmental

- Environmental permitting & Environmental Impact Assessments (EIA)
- Baseline environmental surveys
- Environmental Management Plans (EMP) including Marine Mammal Mitigation Plans (MMMP)
- Ecological Clerk of Works (ECoW)
- Mitigation and monitoring (Protected Species/Marine Mammal Observers and Passive Acoustic Monitoring)
- Sound source modelling and verification
- Project management and advisory services
- Desktop studies and literature reviews
- Public consultations

### Expert Witness

- EPI partners with Stuart McAleese of [McAleese & Associated Ltd](#), who have over 15 years' experience in large, complex energy development projects to provide specialist services which include:
  - Expert witness services in environment, ecology and project development to advocates, lawyers and governments
  - Project delivery
  - Due diligence



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## UHRS Seismic Survey Design, Processing and Interpretation

- Full suite of design & modelling tools (OMNI, Hampson-Russell)
- Optimised shooting plan & cost analysis (SurvOpt)
- Bespoke seismic data testing and sequence development
- Advanced statics, denoise and de-multiple (3DSRME & SWME)
- Geometry processing and wave height correction for UHR acquisition
- Seismic Interpretation and Ground Model Generation

## UXO Mitigation

- Tender and contract management for UXO/EOD operations
- Project management, client representative and QA auditors
- QC/QA of visual identification of targets of pipeline, trenching and cabling routes, harbours and sea bed infrastructure
- QC/Management of risk mitigation
- QC/Management of UXO/EOD investigations, surveys, safe removal and disposal
- QC/review of UXO Project emergency response plans

## Representatives and Auditing

- Geophysical client representatives
- Geotechnical client representatives
- Owners engineer services in construction
- QHSE client representatives
- Vessel HSE Assurance and Inspection (IMCA & OVID)

