



# Wind Energy

## Wind Energy and Subsurface Services

EPI offer a wide range of services and technical specialisms designed for the wind sector. 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 on and offshore wind energy sites. EPI are able to provide expert advice on:

### Environmental

- Environmental permitting & Environmental & Social Impact Assessments (ESIA)
- Baseline environmental surveys; Environmental Constraints Mapping; Environmental Feasibility Studies
- 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

- Partnering with Stuart McAleese of [McAleese & Associated Ltd](#), who has over 15 years' experience in delivering large, complex energy development projects to provide specialist services which include:
  - Expert witness services in environment, ecology and project development
  - Project delivery
  - Advisory and feasibility services to advocates, lawyers and governments
  - Due diligence ahead of acquisition, divestment or securing project finance
  - Managing the financial close process to financial investment decision
  - Management Board advisory



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## Ultra High Resolution Seismic Survey Design & Processing

- Subsurface de-risking to provide robust design solutions
- Full suite of modelling (OMNI, Hampson-Russell)
- Optimised shooting plan & cost analysis (SurvOpt)
- Bespoke seismic data testing and sequence development
- Pre-processing to include advanced statics, denoise and de-multiple (3DSRME & SWME)
- Time and Depth imaging solutions
- Geometry processing and wave height correction to account for the challenges in UHR acquisition

## UXO Mitigation

- Tender and contract management for UXO/EOD operations
- Project management, client representative and QA auditor
- 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
- HSE client representatives
- Vessel HSE Assurance and Inspection (IMCA & OVID)



Smart Energy – Smart Solutions

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