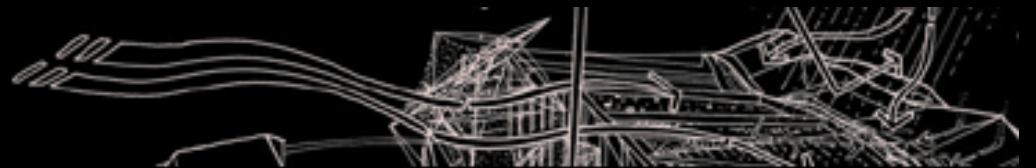


WIND ENERGY

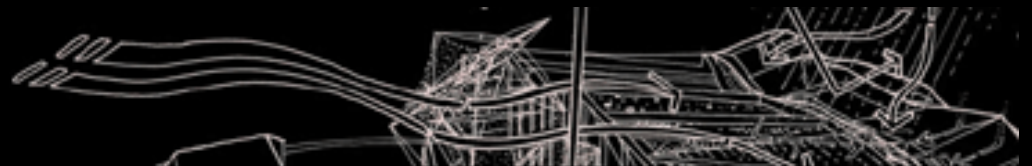


BATTLE McCARTHY
Consulting Engineers & Landscape Architects



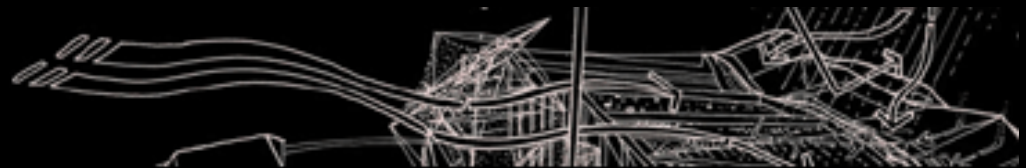
Our Experience

- Sustainable design
- Renewable energy systems
- Environmental impact assessment
- Landscape and visual assessment
- Ecology
- Large and small scale projects



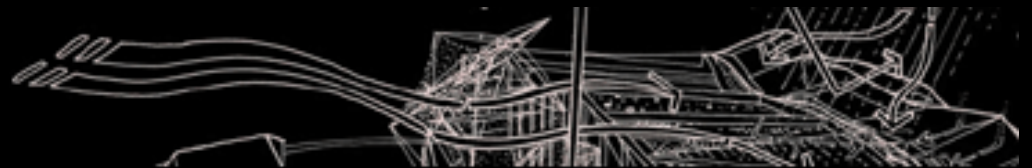
Landscape and Visual Issues

- Why assess landscape and visual effects?
- Why assess ecological effects?
- Implications for planning policies and development control



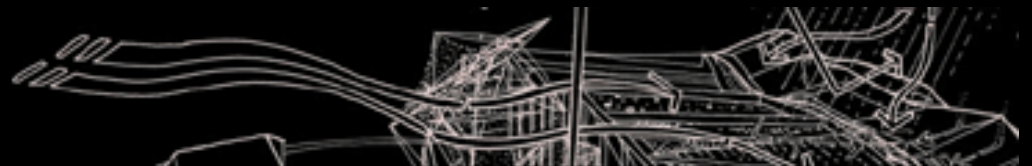
Landscape Effects – Key Considerations

- Scale and size of development
- Scale of the landscape
- Complexity of the landscape
- Landscape fabric
- Ecology
- Archaeology and heritage



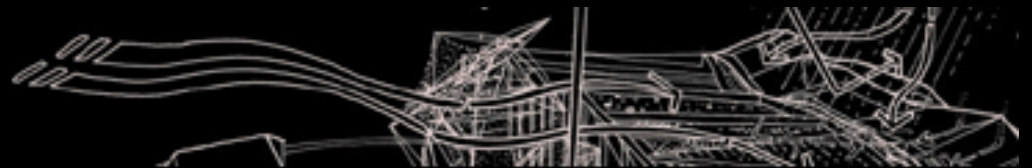
Development Project Stages

- Site selection
- Project feasibility study
- Scoping and consultation
- Site design
- EIA



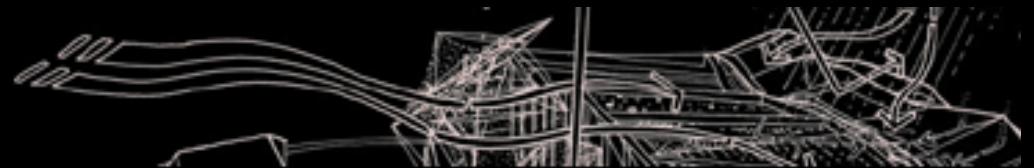
The Objectives

- Conform with development plan policies
- Conform with EIA regulations and guidance
- Install wind monitoring masts and collect a year of real-time data
- Maximise installed capacity
- Maximise wind capture
- Predict energy yields



Technical Issues

- Wind resource and regime
- Electrical connectivity to national grid
- Telecommunications
- Civil and military airport proximity
- MOD land
- Site access
- Site capacity – number of turbines



Environmental Issues

- Planning policy status
- Local plan versus LDF
- Landscape classification
- Visibility
- Proximity to dwellings
- Ecological significance
- Archaeological significance
- Heritage significance
- Recreation



Local Planning Context

- Status of planning documents
- Nearest existing wind turbines
- Existing wind turbine planning approvals
- Review previous planning applications

