



part of the **Natural Power** group



CONSTRUCTION MANAGEMENT

We have a proven track record in supporting the development, pre-construction and construction phases of a wind farm development, delivering completed projects to the operations phase. Our services have taken more than 550MW of wind plant forward through construction with experience spanning over forty projects to date. The aim is to construct your project on time, on cost and on spec.

Offshore construction projects require careful planning, coordination and vessel and equipment selection. Natural Power offer a range of marine services designed to support these activities and those required to develop an efficient operations and maintenance programme.

Our services include:

- **PROCUREMENT MANAGEMENT**
- **LAND AGENCY SERVICES**
- **CONSTRUCTION PROJECT MANAGEMENT**
- **ECOLOGY CLERK OF WORKS**
- **RESIDENT ENGINEER**
- **HEALTH & SAFETY CO-ORDINATION**
- **MARINE CO-ORDINATION**
- **STAKEHOLDER MANAGEMENT**



WE HAVE MANAGED THE CONSTRUCTION OF OVER 550 MW OF WIND FARM PROJECTS



Carno Wind Farm



PROCUREMENT MANAGEMENT

Natural Power works with the Client's solicitor and other consultants to carry out the tendering and contracting services required for the Balance of Plant contract and /or the Turbine contract including:

- Discussions / pre-qualifications with potential contractors
- Prepare tender documentation – i.e. pre-construction health and safety information
- Manage the tendering process
- Update the tender documents as required
- Hold clarification meetings and award contracts based on Client's choice
- Finalise terms and conditions

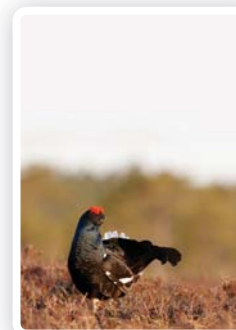
Natural Power typically works with the Clients solicitor on the basis of a FIDIC yellow book contract and would generally issue a list of amendments, exclusions and site specific conditions to augment the standard contract.



LAND AGENCY SERVICES

Land agreements are the bedrock of any successful project. Natural Power's team of qualified chartered surveyors are experienced in over 1 GW of land deals and can advice on and negotiate option / lease / purchase terms for the site access and grid ensuring that individual client and funders requirements are incorporated and terms are capable of successfully implimenting permits, construction, environmental and operational requirements.

Furthermore, Natural Power can formulate getting to lease / purchase where time is of the essence at project implimentation and negotiate for variations, rent reviews, decommissioning etc.



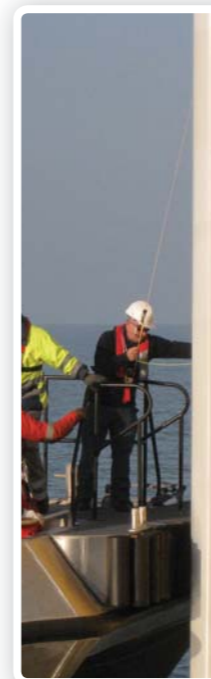
ECOLOGY CLERK OF WORKS

Often a developer onshore is required by the legal prescriptions of the planning conditions to provide an independent 'second opinion' as an Ecological or Hydrological Clerk of Works (on-site during construction). Our high level experience within the wind farm industry dictates our ability to confirm on-site operations of a given project with high level knowledge of local legislation and policy requirements for renewable projects. Our ecologists can provide watching briefs, hydrological monitoring, compliance monitoring and ecological survey to ensure that consented development projects are constructed to agreed environmental plans and with minimal impact upon the habitat. In addition, offshore our ecology staff can provide experienced Marine Mammal Observer roles, Environmental Consent Compliance and specific watching briefs.



RESIDENT ENGINEER

Natural Power has a highly experienced team of Resident Engineers. This on-site deployed engineer is responsible for monitoring, inspecting and reporting all site based activities, ensuring that the project is constructed as per the project plan, design, good practice and in a safe and environmentally acceptable manner. Additionally they ensure that the responsibilities of the client, in respect of planning stipulations, local stake-holders liaison and interested parties communication are addressed in an appropriate manner.



OFFSHORE INSTALLATION STRATEGIES

Natural Power offer a full range of project management and design services to support a project installation from conceptual design through construction to the operation and maintenance phase. Our team has extensive offshore project experience and offers a wide range of competencies in civil, mechanical and electrical engineering.

We draw on experience from the offshore oil and gas, marine cabling, marine civil, offshore geological investigation and marine and naval architecture industries. This broad knowledge base of offshore construction methodology enables us to assist our clients in managing the offshore construction process. Our services include:

- Owner's engineer
- Installation Engineering
- Interface management and construction management support
- Due diligence



Offshore these services are provided in partnership with SeaRoc, part of the Natural Power group



CONSTRUCTION PROJECT MANAGEMENT

Natural Power provides office based Project Management support, responsible for contract management. In this capacity we can also:

- Act as owners Engineer for the administration of the contract
- Liaise with grid operator and contractors on behalf of the Client
- Verify and authorise milestone payments
- Finalise connection / adoption agreements
- Arrange metering and communication links for the project
- Prepare the Health and Safety file on behalf of the Client

Natural Power's experienced managers, and tried and tested processes and procedures, ensure optimisation of vessels use, plant and personnel during construction activities offshore. We provide:

- Offshore construction supervision
- Personnel Management and tracking
- Monitoring of metocean conditions
- Specialised client reps with experience of all vessel types
- Management and monitoring of site vessels and activities
- Contractor management
- Health and Safety management

Our personnel and SeaPlanner web applications deliver an integrated solution to clients in areas where significant cost and safety benefits can be met:

- Risk registers
- HAZOP and HAZID workshops
- Tool box talks
- 'Lessons learnt' workshops

We support clients in the effective management of risk to ensure that projects are delivered safely, on budget, on time and to the required quality standards.



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STAKEHOLDER MANAGEMENT

We firmly believe in the benefits of undertaking early and comprehensive stakeholder consultations. Beginning this process early enables relationships to be established between interested parties and the full scope of the proposal to be discussed and understood. This enables views to be considered and where necessary addressed within the design and mitigation proposals. This process is equally applicable to both statutory consultee and non-statutory stakeholder engagement.

We have extensive experience of conducting and participating in public consultation events for renewable energy projects from FIT to large scale Section 36 projects. We work within the requirements of local and / or national consenting authorities across the UK to ensure requirements such as the TCP(S)A 'Pre-Application Consultation' are fulfilled and reported. This would include, but not be limited to, community council consultation, public meetings, production of questionnaires, web site design and management, exhibitions and on-going communication with stakeholders throughout the life of the project.

We can tailor our involvement in the stakeholder exhibitions to your requirements; from production of illustrative material and information packages, to the provision experienced and informed staff on the day to a comprehensive and inclusive event management package.





H&S CO-ORDINATION

We provide qualified and experienced personnel with detailed knowledge of land and marine legislation and current best practice guidelines. We specialise in Health & Safety (HSE) management of onshore and offshore projects and are well placed in terms of expertise to manage construction, operations and routine maintenance.

Our HSE professionals have extensive experience working onshore and offshore and can support clients with:

- Preparation of safety management systems
- Review and gap analysis of existing safety management systems
- Preparation or review of method statements
- Compilation and audit of existing documentation to ensure regulatory compliance, including Construction Design and Management (CDM) compliance
- Training and system deployment
- Site induction programmes
- Internal Health and Safety audits prior to audit by certifying bodies
- Contractor competency assessments
- Facilitation and management of HAZID and Risk Assessment processes

Natural Power provide professional HSE co-ordination customised to suit client and project requirements that reflects legislative compliance and industry best practice:

- Barge / vessel - operations managers / supervisors competence training
- Barge / vessel - general crew competence training
- Executive level training - overview or more specific training for each aspect including due diligence, QHSE and technology
- CDM 2007 - overview and awareness training

We offer flexible onsite or remote co-ordination to help build a robust health and safety culture on the project.



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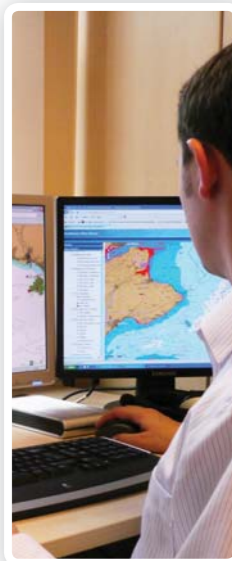
MARINE CO-ORDINATION

We provide mariners to co-ordinate all offshore vessel activities, act as client supervisors and ensure that activities are carried out in accordance with documented policies and procedures, industry best practice and legislative compliance. Our Marine Coordinators have detailed knowledge and experience of managing offshore activities and associated Health and Safety responsibilities, which include:

- The use of advanced Marine Management software
- Tracking of personnel across site including associated certification and issuing of site passes
- Management of the induction and safety briefing process
- Oversight of marine operations
- Acting as a focal point for the Emergency Response Cooperation Plan (ERCOP)



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CONSTRUCTED:

PROJECT	LOCATION	MW
Crystal Rig 1 & 2	Scotland	200MW
Parc Cynog	Wales	4.8MW
North Rhins	Scotland	22MW
Roths	Scotland	50.6MW
Carno 2	Wales	15.6MW
Moel Moelogan 2	Wales	11.7MW
Paul's Hill 1	Scotland	55.2MW
Paul's Hill 1A	Scotland	9.2MW
Craig	Scotland	10MW
Castle Pill	Wales	3.2MW
Lochhead	Scotland	6MW
Tullo	Scotland	6MW
Pigeon Blanc	France	12MW
Hill of Fiddes	Scotland	6.9MW
Penquer 1 & 2	France	16MW
West Durham	England	24MW
Ransonmoor	Scotland	6MW
Paul's Hill 1A	Scotland	9.2MW

UNDER CONSTRUCTION:

PROJECT	LOCATION	MW
Muirhall	Scotland	12.06MW
Darracott	England	5.1MW
Low Spinney	England	8.2MW
Rosehall	Scotland	24.7MW
Hazlehead	England	6MW
Marr	England	8MW
Camster	Scotland	50MW
Coldham 2	England	14MW
Seamer	England	10.25MW
Tweenbridge	England	44MW
Drone Hill	Scotland	28.6MW
Sixpenny Wood	England	20.5MW
Aikengall	Scotland	48MW
Kessingland	England	4.1MW
Hall	England	24MW

ISO CERTIFICATION

Natural Power have established rigorous procedures and work instructions for all aspects of our business. All staff currently work to a list of core procedures for quality & environmental business management. Full details of our integrated QE management system are available on request. The following scopes for ISO 9001:2008 have been achieved, applicable to all our UK operations:

Technical Services UK

Resource management, analysis, modelling and design for the pre-construction phases of onshore and offshore renewable energy projects, including the application of tools and the methods of assessing complex flow environments for wind, wave and tidal environments.

Development Consultancy Services

Project management, consent management, due diligence and consultancy services including initial site feasibility studies, land agreements, management of the EIA process and planning applications, stakeholder consultations, permitting and discharge of planning conditions of renewable energy projects (onshore & offshore wind, wave, tidal, biomass, PV, hydro and associated infrastructure).

Construction & Ecology Management Group

Project management, due diligence and consultancy services (to include pre and post construction phases) for the construction of wind farms and biomass energy projects with associated site investigation services and onshore/offshore ecological services.

Asset Management

Wind farm operational site management.

