



Natural Power's team of ecologists, hydrologists, planners, environmental project managers, geotechnical engineers and geologists provides clients with specialist and well respected advice to ensure environmental compliance with their projects.

The team has fulfilled the roles of Environmental Manager, Environmental Clerk of Works & Planning Monitoring Officer and act as the client's point of contact for all licence condition discharge, liaison with construction and installation teams and statutory and non-statutory stakeholders.



The use of people with experience of working on construction projects ensures pro-active problem solving is key to Natural Power's service.

A selection of environmental construction services provided by Natural Power:

Planning Monitoring Officer (PMO)

- Responsible for discharge of planning conditions, and monitoring compliance
- Site visits and spot checks
- Breach of conditions reporting and resolution

Environmental Clerk of Works (ECoW)

- Pre-construction checks for sensitive habitats and species
- Protected species licence management
- Ecological advice & guidance during construction
- Pollution prevention guidance & advice
- Drainage design & implementation advice
- Peat & soil management advice
- Ecological & environmental evidence collection, i.e. support CEEQUAL submission
- Site audits
- Waste management advice

Water Quality Monitoring

- Develop water quality monitoring strategy
- Establish suitable monitoring locations
- Monitor water quality during construction to allow comparison with baseline

// we take a pragmatic and innovative approach to delivering solutions to enable the progression of construction whilst ensuring compliance with planning and legal requirements //

Chris Pendlebury, Director of Ecology and Hydrology





Case Study 1 **ECoW, water quality monitoring and consent condition discharge, Pen y Cymoedd Wind Farm, Wales**

Natural Power has a long history with Vattenfall's 228MW PyC project, undertaking the lead EIA co-ordination, consent management and condition discharge roles. We are currently appointed to capitalise on the knowledge base that this history provides in the provision of ECoW, protected species and water quality monitoring services. The ECoW team regularly checks construction methods and mitigation measures, and liaises with the resident engineer, onsite contractor and local planning authority to ensure construction good practices are followed. Hydrological monitoring has been carried out to ensure that construction of the wind farm does not have detrimental effects on the water quality downstream of the site.

Case Study 2 **ECoW, South West Scotland Interconnector**

The project covers the up-grade of 46 km of overhead transmission line in south west Scotland and, when completed, will enable the transportation of energy from multiple wind farms in Dumfries and Galloway, East Ayrshire and South Ayrshire to the distribution network. The Environmental Advisor role undertaken by Natural Power incorporated; pre-felling surveys for protected species, licence applications for European Protected species (EPS), groundwater dependent terrestrial ecosystem assessments, fisheries liaison, hydrological monitoring, production of Construction Environmental Management Plans (CEMPs) and Environmental Management Plans (EMPs), ornithological mitigation plans, waste management plan, and full-time ECoW. Natural Power also provides services to the Principle Contractor and other tier one contractors for the delivery of this transmission up-grade, ensuring cross-party working to successfully deliver the project to budget, to required timescales and with clear environmental benefits.



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Case Study 3 **Capitalising on lessons learnt from previous service delivery**

Through experience gained from involvement in projects from inception, through EIA to consent condition discharge, ECoW, water quality monitoring and PMO services, Natural Power can be confident of where efforts should be concentrated during delivery of environmental construction services for projects even where they have little historic involvement. While we have provided continuous support for projects such as Crystal III in the Scottish Borders from feasibility through to ECoW, water quality monitoring and PMO services, we have capitalised on the lessons learnt from such projects in our provision of environmental construction services for others. Examples of where Natural Power is providing such services solely in the construction phase are included below:

- Glen App Wind Farm (SPR)
- Clyde Wind Farm (SSE)
- West Browncastle Wind Farm (Nordex)
- Caithness to Moray HVDC Interconnector (ABB)

For the delivery of the varied scope for these clients, Natural Power has taken pragmatic approaches and worked with the tier one contractors and other site representatives to ensure compliance with environmental and Water Framework Directive legislation, and that activities are conducted in accordance with the planning conditions.



For full details on our **ISO** and other certifications, please visit: naturalpower.com/company