

Onshore Services

Delivering **ground breaking onshore projects**, ensuring **sustainability** and **community engagement**.

Orkney based Aquatera provides a comprehensive range of advice, services and products for onshore activities. Aquatera's onshore team specialises in work in rural and remote areas, such as the Highlands and Islands of Scotland and has considerable expertise in addressing environmental issues in this region.

The company employs a dedicated and highly skilled team of staff and associates to deliver support for a variety of projects on a local, national and international level. We also work with a number of closely allied delivery partners to provide key expertise and added capacity. Our multi-disciplinary team can therefore provide expert input across a wide range of technical areas.

Aquatera has a unique perspective in finding development solutions and delivering to the highest standards. Aquatera has been involved in the planning process for a number of developments in Orkney that affect the environment where we live and work, including: an oil terminal, sand extraction sites, quarries, harbours, piers, wind turbines, peat digging, fuel delivery systems, conservation areas, business centres, grid lines and substations.

Aquatera's involvement can extend from facilitating early stages of strategic and community planning, through option evaluation and Environmental Impact Assessment, including planning application and community consultation and continuing with project implementation and site management work. Our involvement can continue through to decommissioning and site restoration.

Aquatera has also developed a number of tools and support aids for undertaking our onshore work. These include: an interactive 3D landscape tool, a landscape impact analysis system, cumulative impact assessment approach and improved methods for analysing bird collision risks.

Sectors we work in:

- Onshore wind energy
- Other renewables
- Grid infrastructure developments
- Mineral extraction
- Energy infrastructure
- Community development
- Recreation and tourism
- Heritage management



Services we provide:

■ Project assessment and planning

- Development planning and design
- Regulator liaison
- Option evaluation and scoping
- Public/community engagement
- Technical assessments
- Environmental Impact Assessment
- Mitigation, management and monitoring plans
- Planning application and negotiation

■ Works and site management

- Ecological / environmental clerk of works
- Habitat restoration and management
- Worker awareness programmes
- Site condition monitoring
- Performance reporting



■ Strategic planning and community development

- Strategic Environmental Assessments
- Constraint and resource mapping
- Site and route selection
- Public awareness
- Community planning

■ Wildlife, habitat and landscape surveys

- Geology and hydrology
- Phase 1 and NVC habitats
- Protected species
- Breeding birds & flight-lines
- Landscape, visibility and montages
- Cultural heritage



Key projects:

EIA for Sullom Voe Terminal upgrade for the Magnus EOR project *(BP, 2000-2001)*

Preliminary EIA for Kashagan oil and gas plant, Kazakhstan *(Agip KCO, 2001-2002)*

BPEO studies for onshore disposal of drilling cuttings from offshore exploration and development drilling, Sakhalin Island, Russia *(BP, 2004)*

Viewpoint bird surveys and scoping reports for 8 prospective wind projects across Orkney *(Fairwind Statkraft, 2004-2006)*

Route selection process and scoping studies for 132kV overhead lines connecting Orkney and Caithness *(SSE (SHETL), 2005-2006)*

EIA, site restoration plan and ongoing management for peat cutting operations at Hobbister, Orkney *(Highland Park Distillers, 2005 present)*

Environmental Impact Assessment for Foula Community mini Wind Energy Scheme, Shetland *(Foula Electricity Trust, 2009)*

Caithness HVDC connections, EIA and EA to support planning applications for AC/DC converter station and onshore cables *(SSE (SHETL), 2010-2011)*

Bird studies and full EIA for Binga Fea Wind Energy Project, Hoy, Orkney *(PMSS, 2010-2012)*

Ecological Clerk of Works for Spurness Wind Farm (Sanday, Orkney) *(SSE (SSER), 2012)*

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