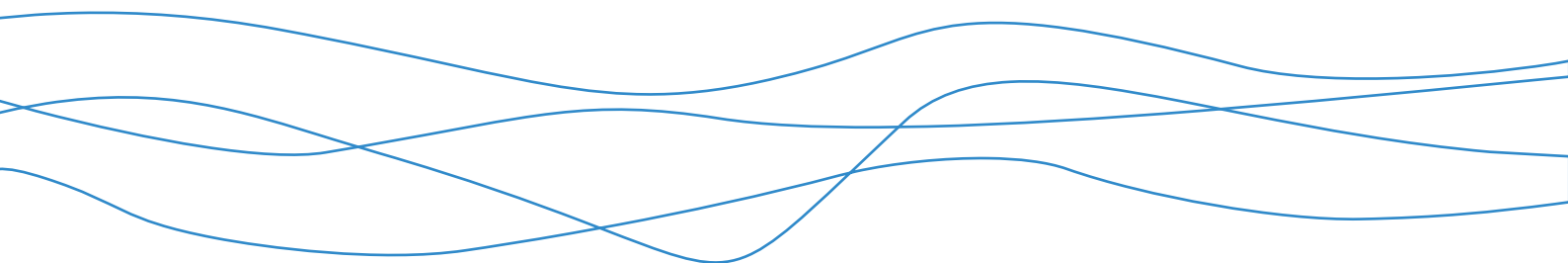




# **Bowdun Offshore Wind Farm, Onshore EIA Report**

Volume 2, Appendix 1.2: Statement of Expertise

TWP-BOW-JCB-ENV-RPT-00012 | November 2025



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## **1 Statement of Expertise**

- 1.1.1 This document forms the Statement of Expertise of the Environmental Impact Assessment (EIA) Report prepared for the onshore elements of the Bowdun Offshore Wind Farm (the “Project”). For ease of reference, the onshore elements of the Project, landward of Mean Low Water Springs (MLWS), are referred to as the “Proposed Development”. The EIA Report accompanies the application to Aberdeenshire Council for Planning Permission in Principle (PPP) for the Proposed Development.
- 1.1.2 Under the EIA Regulations, Thistle Wind Partners (TWP) must ensure the EIA is prepared by competent experts. This document provides the statements of expertise and experience for all technical authors of the EIA Report, evidencing that the EIA team comprised experienced EIA practitioners in all relevant disciplines.
- 1.1.3 As can be seen in Table 1.1 the technical leads for the EIA disciplines reported in this EIA Report hold Chartership status, such as Chartered Environmentalist, Chartered Planner and/or Chartered Scientist, or are members of appropriate accredited professional institutes. Their professional membership and/or Chartership characterises them as knowledgeable, experienced, competent and committed environmental professionals.

**Table 1.1: Statements of Expertise**

Consultant	Qualifications	Project Role, Relevant Expertise and Experience
<b>EIA Coordinator (Chapters 1-5, 17)</b>		
Gwenn Greenwood, Jacobs	<ul style="list-style-type: none"> <li>• MSc Sustainability and Environmental Studies (Distinction)</li> <li>• BSc (Hons) Topographic Science</li> </ul>	<p>Gwenn is the EIA Coordinator for the Bowdun Onshore EIA and has over 10 years' experience coordinating input from multi-disciplinary specialists and contributing to EIA and Strategic Environmental Assessment (SEA) chapter writing across a number of major infrastructure projects</p> <p>Gwenn has led stakeholder engagement with consultees including NatureScot, SEPA, Historic Environment Scotland, RSBP and local authorities and has recently gained experience in the application process for consents under section 37 (s. 37) of the Electricity Act 1989 (as amended) and under the Town and County Planning (Scotland) Act 1997 during a secondment at SSEN-T. During this time she managed external Environmental Consultant scopes, budgets and outputs for all necessary supporting environmental and consenting material from optioneering reports through to EIAs and Planning Application documents.</p>
Shona MacLeod, Jacobs	<ul style="list-style-type: none"> <li>• BSc (Hons) Environmental Geoscience</li> </ul>	<p>Shona is the Assistant EIA Coordinator for the Bowdun Onshore EIA and is an Environmental Consultant with four years' of experience supporting various stages of the planning lifecycle for renewable energy projects, including Scoping and EIAs. She has experience coordinating input from multi-disciplinary specialists and contributing to EIA chapter writing.</p>
<b>Land Use, Agriculture and Public Access</b>		
Graham Kerr, Jacobs	<ul style="list-style-type: none"> <li>• BSc (Hons) Agriculture</li> <li>• Full Member Institution of Environmental Sciences (MIEnvSc)</li> <li>• Chartered Environmentalist (CEnv)</li> </ul>	<p>The Land Use, Agriculture and Public Access chapter was technically reviewed by Graham Kerr. Graham has over 35 years' professional experience in agriculture and environmental consultancy. He has fulfilled the role of Land Use and Agriculture specialist on linear infrastructure projects such as roads, electricity transmission lines (including underground cabling) and pipelines (water and fuel). He has also experience of other roles such as Environmental Manager for A9 Dualling South and EIA Coordinator for A9 Dualling: Tay Crossing to Ballinluig and Pass of Birnam to Tay Crossing projects. Graham is also an experienced land use expert witness at Public Inquiry.</p>

Consultant	Qualifications	Project Role, Relevant Expertise and Experience
Lara Jones, Jacobs	<ul style="list-style-type: none"> <li>• MSc Environmental Sustainability</li> <li>• BSc (Hons) Geophysics and Meteorology</li> </ul>	The Land Use, Agriculture and Public Access chapter has been prepared by Lara Jones. Lara is an Environmental Scientist with 3 years' experience in EIAs across the UK. Lara has worked as an assistant EIA lead, coordinating multi-disciplinary environmental assessments of infrastructure projects, including renewable energy, electricity transmission and highways. Lara has experience in producing the Accessibility assessment for the A9 P02 EIAR and BEAR Scotland environmental appraisals.
Ross Macpherson, Jacobs	<ul style="list-style-type: none"> <li>• BSc (Hons) Environmental Management</li> </ul>	The Public Access assessment within the Land Use, Agriculture and Public Access chapter has been prepared Ross Macpherson. Ross is a Graduate in the Environmental Assessment team with experience working on EIAs for a range of Infrastructure and Energy projects.
<b>Biodiversity and Terrestrial Ecology and Ornithology</b>		
Andrew Bell, ERM	<ul style="list-style-type: none"> <li>• MSc, Managing Sustainable Rural Development (with distinction)</li> <li>• Higher Education Certificate, Managing Sustainable Development</li> <li>• BSc, Environmental Science,</li> <li>• Full Member, Chartered Institute of Ecology and Environmental Management (CIEEM), 2012 (member since 2007)</li> </ul>	Andrew was responsible for overseeing the necessary surveys and reporting required to deliver of the Biodiversity, Ecology and Ornithology chapter, including technical oversight of the chapter and supporting documentation. Andrew is an accomplished terrestrial biodiversity specialist with over 15 years' post-graduate experience, specialising in biodiversity management in relation to development and land-use planning. He has delivered EIA and HRA related deliverables across a range of development sectors in Scotland (as well as the UK and Ireland) including renewables, linear infrastructure, water, property and defence.
<b>Landscape and Visual</b>		
Mark Lancaster, Jacobs	<ul style="list-style-type: none"> <li>• BA (Hons) Landscape Architecture</li> <li>• Chartered Member of the Landscape Institute (CMLI)</li> </ul>	The Landscape and Visual chapter has been technically reviewed by Mark Lancaster. Mark is a chartered Landscape Architect and the leader of Jacobs' Scottish Landscape team with 35 years' of professional experience. His expertise includes Landscape and Visual Impact Assessment (LVIA), landscape design and management for major infrastructure projects including power stations, electricity transmission, roads, ports and renewable energy schemes. Mark is also an experienced landscape expert witness at Public Inquiry.
Louise Russell, Jacobs	<ul style="list-style-type: none"> <li>• BA (Hons) Landscape Architecture</li> <li>• MA Landscape Architecture</li> <li>• Chartered Member of the Landscape Institute (CMLI)</li> </ul>	The Landscape and Visual chapter has been prepared by Louise Russell. Louise is a chartered Landscape Architect with 18 years' experience in landscape consultancy, primarily involved with LVIA and landscape design. Her experience covers major infrastructure projects including power stations, electricity transmission, roads, ports and renewable energy schemes.

Consultant	Qualifications	Project Role, Relevant Expertise and Experience
Kevin Paterson, Jacobs	<ul style="list-style-type: none"> <li>BA (Hons) Fine Art: Painting and Printmaking</li> <li>MA Landscape Architecture</li> <li>Chartered Member of the Landscape Institute</li> </ul>	The Landscape and Visual cumulative assessment has been prepared by Kevin Patterson who is a chartered Landscape Architecture Professional Associate with over ten years' professional experience providing LVIA at all stages of EIA for a wide range of transport and infrastructure projects.
<b>Cultural Heritage</b>		
Jonathan Dempsey, Jacobs	<ul style="list-style-type: none"> <li>MA (Hons) Archaeology</li> <li>PgC Archaeology of Standing Buildings</li> <li>PgD Field Archaeology</li> <li>Member of the Chartered Institute for Archaeologists</li> </ul>	The Cultural Heritage chapter has been technically reviewed by Johathan Dempset. Jonathan has 28 years' professional experience, primarily in providing cultural heritage (archaeology, historic buildings, and historic landscapes) inputs to EIA. He has in-depth knowledge of cultural heritage legislation, policy and best practice guidance, and has been responsible for assessing effects from large scale energy transmission and linear infrastructure projects and identifying appropriate mitigation for these effects.
Abby Portwood, Jacobs	<ul style="list-style-type: none"> <li>MSc Human Osteoarchaeology</li> <li>BA (Hons) History and Archaeology</li> <li>Member of the Chartered Institute for Archaeologists</li> </ul>	The Cultural Heritage chapter was prepared by Abby Portwood, a Member of the Chartered Institute for Archaeologists. Abby has 11 years' of professional experience including providing cultural heritage inputs to EIA projects, including high-profile infrastructure schemes and small commercial sites, across the UK and Ireland.
<b>Geology and Ground Conditions</b>		
Karen Young, Jacobs	<ul style="list-style-type: none"> <li>BSc(Hons) Marine Geography</li> <li>MSc Environmental Monitoring</li> <li>Chartered Environmentalist</li> </ul>	The Geology and Ground Conditions chapter has been technically reviewed Karen Young. Karen has over 20 years' of experience working within land quality assessment. Experience includes the investigation and risk assessment of contaminated sites, delivering soils, geology and land quality elements of EIAs and the sustainable management of materials in particular via the use of the CL:AIRE Definition of Waste: Development industry Code of Practice. Karen has long experience of leading technical teams on major projects and working effectively across disciplines to deliver best value to the client.
Ian Coleman, Jacobs	<ul style="list-style-type: none"> <li>PhD Hydrogeology,</li> <li>MSc Groundwater Engineering</li> <li>BSc (Hons) Geology and Geography</li> <li>Fellow of the Geological Society</li> </ul>	The Ian hydrogeological assessment within the Geology and Ground Conditions chapter has been prepared by Ian Coleman. Ian has more than 20 years' experience providing consultancy support to infrastructure, industrial and public sector clients in groundwater, contaminated land and environmental assessment. Ian's experience includes EIAs, site investigation, environmental monitoring and development of groundwater flow and contaminant transport models.

Consultant	Qualifications	Project Role, Relevant Expertise and Experience
		Recent project experience includes work in England, Scotland and the Republic of Ireland on hydrogeological assessment for water resources development, EIAs for large infrastructure developments, and quarry dewatering.
Marina Kirkpatrick, Jacobs	<ul style="list-style-type: none"> <li>• MSc Environmental Diagnostics</li> <li>• BSc (Hons) Geology</li> <li>• Chartered Environmentalist (CEnv, MIEEnvSc)</li> </ul>	The Geology and Ground Conditions chapter has been prepared by Marina Kirkpatrick. Marina has 25 years' of technical experience as a geoenvironmental consultant providing advice on management of ground related risk, sustainable waste management solutions, contamination risk assessment and remediation design. Marina has experience in brownfield redevelopment across a range of sectors including former gasworks, defence, commercial, retail, residential, infrastructure (water, rail and highways) and energy (solar, battery storage, overhead line and substation) sites and delivering geology and land quality elements of EIAs.
<b>Water Quality and Flood Risk</b>		
Andrew Picken, Jacobs	<ul style="list-style-type: none"> <li>• MSc Applied Meteorology</li> <li>• BSc (Hons) Physics</li> <li>• Chartered Member of the Chartered Institute of Water and Environmental Managers (CIWEM)</li> </ul>	The Water Quality and Flood Risk chapter has been technically reviewed by Andrew Picken. Andrew has over 14 years' experience in providing water-related consultancy expertise. Technical experience covers areas of water quality, flood risk and peatland management. He has reviewed and lead the technical elements associated with water EIA chapters for renewable energy, water utilities and transport projects across the UK and Ireland.
Emma Bryder, Jacobs	<ul style="list-style-type: none"> <li>• PhD Geography</li> <li>• MSc Sustainability and Environmental Studies</li> <li>• BSc (Hons) Environmental Science</li> <li>• Chartered Member of CIWEM</li> </ul>	The Water Quality and Flood Risk chapter has been prepared by Emma Bryder. Emma is a Principal Environmental Scientist with over 8 years' experience in environmental consultancy. Emma has a broad technical background in water quality, peatland management and EIA. Emma has managed and delivered EIAs covering hydrology, geology, hydrogeology and soils on projects across a range of sectors including: renewables (onshore wind, solar and battery energy storage systems (BESS)), grid and utilities. Relevant project experience includes Buchan Onshore Scoping Report and Glen Lednock Wind Farm.
<b>Air Quality</b>		
Rebecca Shorrock, Jacobs	<ul style="list-style-type: none"> <li>• MSc Environmental Health</li> <li>• BSc(Hons) Environmental Science</li> <li>• Member of Institute of Environmental Sciences</li> <li>• Member of Institute of Air Quality Management</li> </ul>	The Air Quality chapter has been prepared by Rebecca Shorrock. Rebecca is a Principal Air Quality and Climate Consultant with over 18 years' experience providing consultancy support to large scale infrastructure projects, transport and highway schemes, industrial, water, residential and commercial developments. Rebecca's skilled at undertaking robust air quality assessments at all project

Consultant	Qualifications	Project Role, Relevant Expertise and Experience
		stages, from strategic development, through to business case development for private and public clients in the UK and Republic of Ireland.
Hazel Peace, Jacobs	<ul style="list-style-type: none"> <li>• Previous Executive Member of the US Transportation Research Board and associated committees (term limited)</li> <li>• Previous member of the UK Environmental Industries Commission for air quality</li> <li>• Member of the Institute of Engineering and Technology</li> <li>• PhD Air Pollution Modelling and Artificial Neural Networks</li> <li>• BEng (Hons) Communication and Control Engineering</li> </ul>	The Air Quality chapter has been technically reviewed by Dr. Hazel Peace. Hazel has over 29 years' experience working in air quality in either consultancy or academia mainly on large infrastructure projects, both from the construction and operational perspective. She has expert knowledge of air quality and has previously contributed and has written guidance for assessing air pollution in various countries. She has provided evidence and defended air quality assessments at Public Inquiries and Development Consent Order hearings in both the UK and abroad. She brings her vast expertise to this project as the air quality reviewer and verifier.
<b>Noise and Vibration</b>		
Richard Stait, Jacobs	<ul style="list-style-type: none"> <li>• BSc mathematics with Statistics</li> <li>• PgDIP Acoustics and Noise Control</li> <li>• Member of the Institute of Acoustics</li> </ul>	The Noise and Vibration chapter has been technically reviewed by Richard Stait. Richard is a Senior Associate Director with over 30 years' experience of undertaking noise and vibration assessments as part of the process of EIA for major infrastructure and linear projects.
Ian Stanworth, Jacobs	<ul style="list-style-type: none"> <li>• BA (Hons) Town &amp; Country Planning.</li> <li>• PgDip Acoustics and Noise Control</li> <li>• Member of the Institute of Acoustics</li> </ul>	The Noise and Vibration chapter has been prepared by Ian Stanworth. Ian is an Associate Director of Acoustics with over 26 years' experience in the assessment of the impacts of noise and vibration from large infrastructure projects, both from the construction and operation perspectives, but predominantly specialising in construction. His project experience includes projects in the road and rail transport sectors, flood defence schemes, and power and energy installations throughout the UK. He is a full member of the Institute of Acoustics (IoA) and has been since 1999.
<b>Traffic and Transport</b>		
Joseph Campbell, Jacobs	<ul style="list-style-type: none"> <li>• BA (Hons) Geography</li> <li>• Member of Chartered Institute of Highways and Transportation</li> </ul>	The Traffic and Transport chapter has been technically reviewed by Joseph Campbell. Joseph is an Associate Director transport planner with over 16 years' experience on a wide range of transport planning projects ranging, including leading the technical delivery of traffic and transport inputs to numerous EIAs in support of renewables schemes.

Consultant	Qualifications	Project Role, Relevant Expertise and Experience
		<p>Expertise relating to EIAs, Abnormal Load Route Assessment, Transport Assessment, Development Planning, and Stakeholder Engagement and Public Consultation.</p> <p>Relevant project experience includes Fort Augustus Substation (SSE Renewables) and Dogger Bank D Offshore Wind Farm (SSE Renewables).</p>
David Marshall, Jacobs	<ul style="list-style-type: none"> <li>• BSc (Hons) Geography</li> <li>• MSc Geospatial and Mapping Sciences</li> <li>• Member of the Transport Planning Society (TPS)</li> </ul>	<p>The Traffic and Transport chapter has been prepared by David Marshall. David is a Principal Transport Planner with 12 years’ of experience working on a wide range of projects, including as technical lead for traffic and transport inputs in support of numerous renewable schemes. This experience includes Environmental Impact Assessments, transport assessments, transport statements, accessibility studies, route feasibility studies, and development management.</p> <p>Relevant project experience includes Glen Lednock Wind Farm (Low Carbon), East Meath to North Dublin Grid Upgrade (EirGrid), Fort Augustus Substation (SSE Renewables), and Dogger Bank D Offshore Wind Farm (SSE Renewables).</p>
<b>Climate Change</b>		
Steven Byrne, Jacobs	<ul style="list-style-type: none"> <li>• BSc (Hons) Physics with Environmental Science</li> <li>• MSc Environmental Technology</li> <li>• Member of the Institution of Environmental Sciences (MIEnvSc)</li> </ul>	<p>The Climate Change chapter has been technically reviewed by Steven Byrne. Steven is an Associate Director with over 26 years’ of experience in air quality and climate change assessment. Since starting his career in environmental consultancy in 1999, he has advised public and private sector clients on air quality, greenhouse gas emissions, and climate resilience across a wide range of major infrastructure, transport, energy, and industrial projects. Steven has led technical reviews for nationally significant projects, including the Western Rail Link to Heathrow, East West Rail, and Wylfa Newydd nuclear power station.</p>
Annabelle Workman, Jacobs	<ul style="list-style-type: none"> <li>• BSc (Hons) Geography</li> <li>• Member of the Institute of Sustainability and Environmental Professionals (ISEP)</li> </ul>	<p>The Climate Change chapter has been prepared by Annabelle Workman. Annabelle is a Consultant in the Carbon Team with 3 years’ experience in this field. Her skills are focussed on carbon management in the built environment, and she has delivered carbon assessments, carbon management plans, and decarbonisation strategies for a range of clients including National Highways, Environment Agency, and local councils. Annabelle has previously contributed to an EIA climate chapter, which was for an onshore wind farm in Scotland.</p>
<b>Socio-Economics, Recreation and Tourism</b>		
Ben Kay, Jacobs	<ul style="list-style-type: none"> <li>• M.Sci. Spatial, Transport and Environmental Economics</li> <li>• M.Soc.Sci. Economics</li> </ul>	<p>The qualitative assessment within the Socio-Economics chapter has been technically reviewed by Ben Kay. Ben has over 9 years’ of experience in various types of impact assessment, economic modelling, analysis and policy appraisal for</p>

Consultant	Qualifications	Project Role, Relevant Expertise and Experience
		a range of clients in the private and public sector. He has successfully delivered projects including the Socio-economic assessment as part of the Wylfa Newydd Power Station – Development Consent Order (DCO) for Horizon Nuclear Power and Equalities Impact Assessment of Glasgow’s Transport Strategy. Ben is the Population assessment lead for the Cork BusConnects project in Ireland.
Gillian Montgomery, Jacobs	<ul style="list-style-type: none"> <li>• BA (Hons) English and History</li> <li>• MSc Sustainability and Environmental Studies</li> </ul>	The qualitative assessment within the Socio-Economics chapter has been prepared by Gillian Montgomery. Gillian is a Senior Consultant with 8 years’ of experience in EIA. She has authored social impact assessments on major infrastructure projects across a range of sectors including transport, health, and energy. Gillian authored a Social Impact Assessment for a battery energy storage facility in New South Wales, and a Social Impact Evaluation for a Detailed Business Case for health infrastructure in Queensland, both in Australia. She led the Population and Health assessment for the Strategic Environmental Assessment for the A83 Access to Argyll & Bute and undertook a socio-economic assessment for the Hinkley Point C project.
Ken Lam, Jacobs	<ul style="list-style-type: none"> <li>• BSc (Econ) Economics</li> <li>• MSc Economics</li> <li>• Member of Royal Economic Society</li> </ul>	Ken Lam is the technical reviewer and project verifier for the quantitative assessment – the GVA and employment modelling – within the Socio-Economics chapter. Ken is a Director of Economics with over 22 years’ experience in the assessment of socio-economic impacts from large infrastructure projects across energy, water and transportation sectors. He was previously involved in the Marine Scotland ‘Scenario mapping for offshore renewable energy development economic benefits’ study where he led the team to identify, measure and value the delivered and potential economic impact for Scotland from offshore wind and tidal energy projects. <i>(reviewer)</i>
Sarah Freeman, Jacobs	<ul style="list-style-type: none"> <li>• BSc Maths and Economics</li> <li>• MSc Transport Planning</li> </ul>	The quantitative assessment within the Socio-Economics chapter has been prepared by Sarah Freeman. Sarah is an Associate Director in Jacobs’ Economics and Outcomes team with 15 years’ of experience of technical analysis and advisory services which shape infrastructure policy and investment decisions. She has worked for public and private sector clients in the transport and energy sectors in the UK and North America. She has extensive experience in assessing economic, environmental and social impacts of infrastructure projects, including business case development, economic appraisal, and cost-benefit analysis.
<b>Planning</b>		

Consultant	Qualifications	Project Role, Relevant Expertise and Experience
Iain Pattenden, Jacobs	<ul style="list-style-type: none"> <li>• MSc Urban and Regional Planning</li> <li>• BSc (Hons) Estate Management</li> <li>• Chartered Member of the Royal Town Planning Institute (MRTPI)</li> <li>• Chartered Member of the Royal Institution of Chartered Surveyors (MRICS)</li> <li>• Practitioner Member of the Institute of Sustainability and Environmental Professionals (PISEP)</li> </ul>	<p>The Planning documents – Planning Statement, Pre Application Consultation Report, Design and Access Statement and Sustainability Statement – have been technically reviewed by Iain Pattenden. Iain has over 26 years’ of experience in town planning and environmental consultancy. Iain has extensive experience providing town planning advice and contributing to, coordinating and reviewing EIAs for a range of development and infrastructure proposals including transport infrastructure, renewable energy and mixed-use development.</p>
Niamh Cross, Jacobs	<ul style="list-style-type: none"> <li>• BSc (Hons) Geography</li> <li>• DA MSc Urban and Regional Planning</li> <li>• Chartered Member of the Royal Town Planning Institute (MRTPI)</li> </ul>	<p>The Planning documents have been prepared by Niamh Cross. Niamh has over four years’ of experience delivering a variety of projects across Scotland, England and Ireland. Niamh is a skilled author of planning documents and has played a key role in the successful submission of planning applications, listed building consents, and the discharge of conditions at a local level. Niamh has also contributed to nationally significant schemes and has experience in public consultation. Niamh’s project portfolio spans multiple sectors, including transport, water and energy.</p>