

**Lewis Hub (AC Substation and HVDC  
Converter Station)**

**Environmental Impact Assessment Report  
Volume 4 - Technical Appendices**

**February 2025**



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## TECHNICAL APPENDIX 1.1: TECHNICAL TEAM

1.1.1 In accordance with regulation 5(5) of the EIA Regulations, the EIAR has been prepared by ‘competent experts’. Table 1.1.1 below presents the technical leads within the project team and their relevant qualifications and experience.

TABLE 1.1.1: TECHNICAL TEAM EXPERIENCE				
COMPANY NAME	ROLES & RESPONSIBILITIES	TEAM LEAD	QUALIFICATIONS & PROFESSIONAL MEMBERSHIPS	EXPERIENCE
Ramboll Uk Ltd	EIA Project Director	Peter Bruce	<ul style="list-style-type: none"> <li>MSc Environmental Protection and Management</li> <li>BSc (Hons) Geography</li> <li>Chartered Environmentalist (CEnv)</li> <li>Member of Institute of Environmental Management and Assessment</li> </ul>	Peter Bruce is a Principal (Director) and Chartered Environmentalist with over 18 years’ experience in environmental consultancy. Peter has taken a lead role in the co-ordination and management of numerous complex environmental impact assessments (EIA) in the power, renewables, transmission, urban development and oil and gas decommissioning sectors, guiding a wide range of clients through the consenting process. Peter has extensive experience of facilitating workshops, liaising and leading discussions with statutory bodies and other stakeholders, and in engaging with local communities through public consultation events. Peter also has deep experience in construction environmental management and sustainability strategy.
	Ecology and Ornithology	Danny Oliver	BSc (Hons) Biological Sciences (Ecology Professional Development Award in Ecological Surveying Member of Chartered Institute of Ecology and Environmental Management (CIEEM).	Danny has over 12 years’ experience in environmental consultancy, all with Ramboll. Danny specialises in ornithological surveys and desk-based assessment of impacts on ornithological and ecological features using GIS or scientific modelling. He has undertaken

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				bird surveys in Scotland, England and Diego Garcia and has undertaken collision risk analysis on projects in Scotland, Senegal, Lebanon and USA.
	Hydrology	Christopher Day	<ul style="list-style-type: none"> <li>BSc (Hons) Marine Geography</li> <li>MSc Flood Risk</li> </ul>	Chris Day has over 18 years' experience in environmental consultancy with particular expertise in hydrological impact assessment of renewable energy and transmission infrastructure projects, flood risk assessment, hydraulic modelling, and conceptual surface water drainage design. Also experienced in the use of geographical information systems (GIS) and remote sensing, statistics, river and coastal hydraulics.
	Geology and Soils	Jeff Turner	<ul style="list-style-type: none"> <li>BSc (Hons) Aquatic, Marine and Freshwater Biology</li> <li>Chartered Environmentalist (CEnv)</li> <li>Member of Society for the Environment</li> <li>Member of Institute of Environmental Management and Assessment</li> <li>Member of Institute of Environmental Science</li> </ul>	Jeff Turner is a Chartered Environmentalist and member of the Institute of Environmental Science, and Institute of Environmental Management and Assessment (CEnv, MIEEnvSc, PIEMA, BSc (Hons)). Jeff has over 20 years' experience in the co-ordination and management of Environmental Impact Assessments, with over 15 years' in renewable energy developments. As part of this experience, Jeff has been responsible for managing the potential effects of wind farms on peat, and identification of suitable avoidance and mitigation measures to minimise the

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				effects on carbon rich soils from development.
Horner and MacLennan	Landscape and Visual	Roz McLennan	<ul style="list-style-type: none"> <li>BA (Hons) Landscape Architecture</li> <li>Chartered Member of the Landscape Institute (Design Division)</li> </ul>	Roz MacLennan is a partner in Horner and MacLennan landscape architects and has more than 30 years experience, specialising in Landscape and Visual Impact Assessment for a wide range of projects including on and offshore power generation schemes and energy transmission and distribution infrastructure in the Highlands and Islands of Scotland.
CFA Archaeology	Cultural Heritage	Linn Glancy	<ul style="list-style-type: none"> <li>MA Archaeological Survey</li> <li>MA (Hons) Archaeology</li> <li>Associate of the Chartered Institute for Archaeologists</li> </ul>	Linn Glancy is a heritage consultant with over 25 years' post graduate experience as an archaeologist, 18 years of which as a consultant. Linn has been the lead archaeologist for numerous planning projects carrying out the baseline research, field surveys, setting assessments, consultation with consultees, and preparing the Cultural Heritage EIARs for a wide variety of developments including wind farm projects, flood protection schemes, grid-connections and overhead power transmission lines and Masterplan developments.
SYSTRA	Traffic and Transport	Alan Devenny	<ul style="list-style-type: none"> <li>BEng (Hons) Civil &amp; Transportation Engineering</li> <li>PhD Civil Engineering</li> </ul>	Alan DeVenny is a Project Director with SYSTRA and is a Chartered Engineer with over 25 years' consultancy experience. Alan is an industry recognised authority on the transport aspects of energy

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			<ul style="list-style-type: none"> <li>Chartered Engineer, CEng</li> <li>MICE</li> </ul>	developments including a number of electricity transmission projects. He has advised on over 200 energy developments for the private sector delivering access, traffic and transport inputs (access assessments, EIA Chapters and CTMPs) as well as infrastructure design services. Alan has an excellent knowledge of the planning system and has acted as an expert witness on transport matters at a significant number of public inquiries
OWC Ltd	Peat	Andy Mills	<ul style="list-style-type: none"> <li>BSc (Hons) Natural Sciences</li> <li>MSc Geomorphology and Quaternary Environmental Change</li> <li>PhD Geomorphology (Peat Landslides)</li> <li>FGS</li> <li>Chartered Geologist</li> </ul>	Andy Mills is a Director with OWC, and Peatland Geomorphologist, with over 25 years' experience assessing peatland terrain. He is an industry recognised authority on peatland geomorphology, having produced guidance for Scottish Government's Energy Consents Unit (ECU) and for NatureScot's Peatland ACTION team. He has advised on over 100 onshore renewable projects across Scotland, Wales and England over the last 10 years (including as an expert witness) following a lengthy period acting as a Technical Checker for the ECU in relation to peat landslide risk. He currently sits on Scottish Government's Peatland Expert Advisory Group as an industry representative.
Wood Group	Noise	Fergus McLean	<ul style="list-style-type: none"> <li>MEng Electrical and Mechanical Engineering with International Study</li> </ul>	Fergus McLean is a Senior Engineer in the Vibration, Dynamics and Noise team at

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				Wood Group. He joined Wood Group in November 2020 and has worked on a variety of projects including, but not limited to: operational and construction noise of substations, overhead lines, and various other industrial sites. While strongly developing noise modelling and analytical skills, he has undertaken environmental noise surveys according to the standard IEC 60076-10 and British Standards BS 5228 and BS 4142.
Wood Group	Noise	Harry Matthews	<ul style="list-style-type: none"> <li>BSc (Hons) Music Technology</li> <li>Diploma in Acoustics and Noise Control Institute of Acoustics (IOA)</li> </ul>	Harry Matthews is a Senior Noise Consultant with 8 years' experience and an Associate Member of the Institute of Acoustics (AMIOA). Harry is a specialist in the environmental noise impacts of electrical infrastructure projects including substation, overhead line, and renewables projects. Experience includes conducting noise impact assessments, noise modelling and prediction for inclusion within the EIA process while implementing standards and guidance including ETSU-R97 and IOA Good Practice Guides, BS4142, BS5228. In addition, Harry has extensive experience in specialist noise and vibration measurements and surveying, including the specification of noise control measures.
Wood Group		Eric Donnelly	<ul style="list-style-type: none"> <li>BEng (Hons) Manufacturing Engineering</li> </ul>	Eric Donnelly is a noise and vibration specialist with 26 years' experience of



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			<ul style="list-style-type: none"> <li>Corporate Member Institute of Acoustics (IOA)</li> </ul>	the noise and vibration impacts associated with power & energy and a Member of the Institute of Acoustics (MIOA). As a technical lead, Eric has delivered specialist input for a variety of power and energy projects in the UK and around the world. Eric manages the resourcing, and quality of technical outputs.
Trex Ecology Ltd.	Freshwater Ecology Survey and Technical Appendix	Tommy McDermott	<ul style="list-style-type: none"> <li>BSc (Hons) Zoology</li> <li>MRes (Zoology) Queens University, Belfast</li> <li>Full member of Institute of Fisheries Management (MIFM)</li> <li>Honorary Research Associate, Edinburgh Napier University</li> </ul>	Tommy McDermott is the Director and fish and restoration lead at Trex Ecology. He has extensive experience in the field of channel morphology and habitats, beginning in 2005 when he was appointed as WFD Research Associate at Queens University Belfast and was part of the development team for the Irish WFD-focused River Hydromorphology Assessment Technique. Tommy delivers a range of aquatic ecology services. Projects have included a variety of habitat and hydroecological assessments for aquatic species and communities, incorporating standard and novel, project specific, methodologies. This often includes monitoring programme design and implementation, and subsequent species protection plans where sensitive receptors have been located. These surveys have been provided to several sectors including regulators, river restoration, energy generation and infrastructure, utilities, and construction.