

# **Pentland floating offshore wind farm**

## Volume 3: Appendix A.1.1

Details of the Project Team

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## APPENDIX 1.1: DETAILS OF THE PROJECT TEAM

### 1.1 Introduction

Highland Wind Limited (HWL) are the team responsible for the production of this Environmental Impact Assessment Report (EIAR) with the assistance of lead Environmental Impact Assessment (EIA) consultants Xodus Group Ltd (Xodus) who have project managed and coordinated the production of this EIAR with input from specialist consultants. These specialists have supported the EIA to date, including consultation with relevant stakeholders and preparation of the technical assessment chapters of the EIAR.

In line with the requirements of the EIA Regulations, details, credentials and experience of the competent experts who make up the key Project Team are provided in Table 1.1 to Table 1.3 below.

Table 1.1 Competent Experts supporting the Offshore EIAR (Volume 2) Main Report

EIA input	Organisation	Personnel Experience / Qualifications
<b>Offshore EIAR (Volume 2) Chapters</b>		
Chapters 1,2,3,4,6: Introductory Chapters	Xodus Group Ltd	Lead Author is Ashleigh Fenton, BSc Geology, AIEMA. Ashleigh is a Lead Environmental Consultant at Xodus with over 6 years' experience in environment and consenting services most recently in marine energy projects. Ashleigh's role within Xodus supporting EIAs and environmental assessments for offshore wind and subsea cable projects in the UK and Ireland. Ashleigh has supported on the Pentland Floating Offshore Wind Farm (PFOWF) Project since Scoping and has continued on as EIA Coordinator and Project Manager for the supporting Onshore Consents application. Ashleigh also holds her Project Management Qualifications (PMQ) with the chartered Association of Project Managers.
Chapter 5: Project Description	Copenhagen Offshore Partners Ltd	<p>Lead technical authors of the Project Description are Lee Senoussi, Isaac Connell and Tamsin Watt.</p> <p>Lee Senoussi, Meng, is a Chartered Engineering (CEng) and Chartered Marine Engineer, (CMarEng) is a Floating Wind Engineering Manager at Copenhagen Offshore Partners with 12 years' experience in offshore energy projects across the oil and gas, energy transition and marine renewable sectors. Lee has global project experience spanning early development, concept, FEED and detailed engineering, construction and decommissioning phases. Lee is the Engineering Manager for the Pentland Floating Offshore Wind Farm (PFOWF) Project.</p> <p>Isaac Connell has a Master Degree in Mechanical Engineering. Isaac is Senior Construction Manager at Copenhagen Offshore Partners with 5 years' experience in the North Sea, Oil and Gas sector and 6 years' experience in renewables with a primary focus on onshore and offshore floating wind. Isaac's experience spans all phases of the project lifecycle from early development through to commissioning and operation. Isaac is the Deputy EPC Director for the Pentland Floating Offshore Wind Farm (PFOWF) Project. Isaac has also held his Nebosh National General Certificate in Occupational Health and Safety since 2020.</p> <p>Tamsin is a chartered environmental specialist (CEnv) with over fifteen years' experience in managing projects for coastal and marine developments and with specific experience in consents, Environmental Impact Assessment (EIA) and marine energy infrastructure. She has worked on and managed a wide range of projects, including Nationally Significant Infrastructure Projects (NSIPS), encompassing offshore</p>

EIA input	Organisation	Personnel Experience / Qualifications
		<p>renewable projects (offshore wind, wave and tidal), harbour regeneration projects and subsea cable projects. Tamsin is well versed in the principles of the consenting process and the requirements of environmental legislation, both within the UK and internationally, and has developed a detailed understanding of key consenting issues and risks, throughout the project lifecycle and particularly for marine energy projects.</p>
	Xodus Group Ltd	<p>Supporting the drafting of the Project Description is Marten Meynell, MSc, AIEEMA. Marten is a Principal Environmental Consultant at Xodus with 21 years' experience working in the marine industry within environmental consulting, conservation and marine energy organisations. Marten's experience at Xodus includes EIAs for marine and coastal developments within the renewable energy and oil and gas sectors, as both an environmental consultant and project manager. Marten is the EIA Project Manager for the Pentland Floating Offshore Wind Farm (PFOWF) Project.</p>
Chapter 7: Marine Physical Processes	Cooper Marine Advisors Ltd	<p>Lead Author is Bill Cooper, BSc Oceanography. Bill is the founding director of Cooper Marine Advisors. He has over 35 years of consultancy experience which includes 22 years of offshore wind experience for more than 30 projects worldwide. Bill is co-author of the UK's latest (and former) industry best practice for delivery of coastal process studies for offshore wind projects (COWRIE, 2009). Bill is also a current member of the EPSRC peer review college.</p> <p>Technical support Anna Chaffey (PhD) is a Chartered Scientist, Chartered Marine Scientist and Member of the Institute of Marine Engineering, Science and Technology (MIMarEST). She is a Senior Environmental Consultant and specialises in marine physical processes and water and sediment quality topics, with over 14 years' experience in offshore, coastal and estuarine environments. In her previous roles, she has delivered a wide variety of projects, across the offshore wind, cables and pipeline, coastal infrastructure and port and harbour sectors. Through her technical specialism in nearshore and offshore seabed morphodynamics and sediment mobility, she has provided support of the Development Consent Order (DCO) process and front-end engineering design (FEED) for Round 2 and 3 offshore windfarms in English, Scottish and Irish waters. She has contributed to the Planning Inspectorate (PINS) Examination process for OWF developments and the HRA process for Scottish national scale plans.</p>
Chapter 8: Water and Sediment Quality	Xodus Group Ltd	<p>Lead author Anna Chaffey (PhD) is a Chartered Scientist, Chartered Marine Scientist and Member of the Institute of Marine Engineering, Science and Technology (MIMarEST). She is a Senior Environmental Consultant and specialises in marine physical processes and water and sediment quality topics, with over 14 years' experience in offshore, coastal and estuarine environments. She has completed a wide variety of assessments, across the offshore wind, cables and pipeline, coastal infrastructure and port and harbour sectors, with respect to water and (or) sediment quality in relation to national and European legislation and policy.</p>
Chapter 9: Benthic Ecology	Xodus Group Ltd	<p>Lead Author is Sinead Petersen, BSc Environmental Science, MSc Environmental Assessment and Management. Sinead is an Environmental Consultant at Xodus with 4 years' experience. Sinead has authored several EIA chapters and Scoping chapters for marine renewables. Sinead has supported on the PFOWF Project since Scoping. Sinead was also involved in preparing the Floating Offshore Wind: Environmental interactions Roadmap (due to be published this year) with ORE Catapult.</p>

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		<p>Technical Expert and support, Dr Nichola Lacey, PhD Marine Ecology. Nichola is a Senior Environmental Consultant with 10 years' experience in the offshore energy industry and is a benthic technical lead at Xodus. Following her PhD, Nichola spent 2 years at Marine Scotland within the Offshore Energy and Environmental Advice Team and working with the Scottish Association for Marine Science, undertaking benthic ecology research, before moving to environmental consultancy. Nichola has contributed to technical benthic assessments for a diverse portfolio of projects and has lead multiple EIA scopes, including for OWF. Nichola is currently the Environment and Consents Manager for a floating offshore wind project in Scotland.</p>
Chapter 10: Fish and Shellfish Ecology	Xodus Group Ltd	<p>Lead Author is Sinead Petersen, BSc Environmental Science, MSc Environmental Assessment and Management. Sinead is an Environmental Consultant at Xodus with 4 years' experience. Sinead has authored several EIA chapters and Scoping chapters for marine renewables. Sinead has supported on the PFOWF Project since Scoping. Sinead was also involved in preparing the Floating Offshore Wind: Environmental interactions Roadmap (due to be published this year) with ORE Catapult.</p> <p>Technical Expert and support, Gareth Jones, BSc Zoology Hons in Marine Biology. Gareth is a Principal Consultant with 16 years' experience of delivering commercial fisheries advice in the context of offshore energy projects. He holds IEMA Practitioner status and previously worked for Marine Scotland providing advice and assessment of all offshore energy project applications between 2011-2013. In addition, he also spent 3 years as a Scottish Fisheries Officer for the Scottish Government based in Caithness and has continued his strong relationship with the sector throughout his career with regular engagements through the delivery of offshore energy projects while at Xodus.</p>
Chapter 11: Marine Mammals and Other Megafauna	Xodus Group Ltd	<p>Lead author is Jennifer Smith, BSc Marine Biology, Research MSc Applied Ecology. Jennifer is a Lead Environmental Consultant, an Associate Member of both IEMA and the Society for Marine Mammalogy, with 7 years' experience as a marine mammal researcher and 4 years' experience as an environmental consultant with Xodus. In this role, she has worked on the production and review of EIAs, risk assessments and environmental appraisals, and has provided consent and post-consent support for many offshore projects in Scotland, the UK and internationally. Her relevant marine mammal EIA experience includes Moray West Offshore Ltd and Beatrice Offshore Wind Ltd (BOWL) windfarms. Additionally, she authored the marine mammal, basking shark and otter impact assessment chapters of EMEC Billia Croo's Environmental Appraisal, along with the marine mammal impact assessment for the Scottish and Southern Energy Shetland HDVC Marine Environmental Appraisal.</p>
	SMRU Consulting	<p>Lead author support is Rachael Sinclair (BSc Hons Marine Biology, MRes Marine Mammal Science) and Alex Brown (BSc Hons Marine Geography; MRes Marine &amp; Fisheries Science; PhD Marine Science). Rachael is a Senior Scientist with 8 years' marine mammal consultancy experience. Rachael has worked on the production and review of EIAs, appraisals, consenting and stakeholder strategy for many offshore projects in Scotland (including: Moray West, Seagreen, Dounreay Tri) and the wider UK (including Hornsea 3 &amp; 4, Awel y Mor, Rampion 2 etc). Alex is a Principal Scientist with 9 years' experience as an environmental consultant in the offshore energy industry and over 5 years' experience in marine mammal research in an academic</p>

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		<p>environment. He has contributed to the production of EIAs for offshore wind projects throughout the UK and Ireland, in addition to leading elements of post-consent marine mammal support (EPS licensing, mitigation plans, monitoring plans) on projects including Seagreen, Hornsea 3 and East Anglia 3. He also works on a variety of more strategic research projects for government and industry.</p>
<p>Chapter 12: Marine Ornithology</p>	<p>HiDef Aerial Surveying Ltd</p>	<p>Lead author is Catriona Gall, BSc Wildlife and Fisheries Management, MSc Environmental Science and MCIEEM (full member of the Chartered Institute of Ecology and Environmental Management).</p> <p>Catriona is a Principal Consultant at HiDef co-ordinating the production of EIA and HRA assessments primarily for offshore wind farm development in relation to marine ornithology. She works with HiDef's team of data scientists, modellers and environmental consultants to ensure delivery of robust baseline seabird data for assessment, and good quality collision risk modelling, apportioning, displacement analysis and population modelling as presented in the technical appendices.</p> <p>Catriona has 18 years' experience in impact assessment (EIA / HRA) for offshore and onshore wind farms, with 10 years as NatureScot's lead casework adviser on the Scottish east coast wind farms; Beatrice, Moray East, Seagreen, Inch Cape and Neart na Gaoithe, co-ordinating the advice at pre-scoping, scoping, pre-application, application and post-consent stages.</p>
<p>Chapter 13: Commercial Fisheries</p>	<p>Xodus Group Ltd</p>	<p>Lead author is Jane Gordon, BSc Zoology, MSc Environmental Science. Jane is an Environmental Consultant with 3 years' experience. Jane has authored several environmental appraisals, EIA chapters and Scoping chapters for marine renewables, subsea cables and oil and gas assets. Jane was also involved in preparing the fisheries displacement assessment guidance with Marine Scotland, published on the 30<sup>th</sup> June 2022.</p> <p>Lead Technical Expert, Gareth Jones, BSc Zoology Hons in Marine Biology. Gareth is a Principal Consultant with 16 years' experience of delivering commercial fisheries advice in the context of offshore energy projects. He holds IEMA Practitioner status and previously worked for Marine Scotland providing advice and assessment of all offshore energy project applications between 2011-2013. In addition, he also spent 3 years as a Scottish Fisheries Officer for the Scottish Government based in Caithness and has continued his strong relationship with the sector throughout his career with regular engagements through the delivery of offshore energy projects while at Xodus.</p>
<p>Chapter 14: Shipping and Navigation</p>	<p>Anatec Ltd</p>	<p>Lead author is John Beattie, a Director and Principal Risk Analyst with Anatec Limited based in Aberdeen. John holds an honours degree in Chemical Engineering and a Masters in Information Technology Systems. John has over 25 years' relevant experience of carrying out shipping and navigation assessments for the offshore renewables, oil &amp; gas and marine industries. In offshore renewables, John has managed numerous Navigational Risk Assessments (NRAs) and Environmental Impact Assessments (EIAs) for Scottish and wider UK wind farm projects, including Robin Rigg, Hywind Scotland, Humber Gateway, Burbo and Walney extensions, and Seagreen. As part of this work John has been an expert witness at Scottish Parliamentary Committees and UK Planning Inspectorate Examinations. John has also advised on navigational risks for offshore wind and oil &amp; gas projects worldwide, performed research studies on shipping traffic and pollution risk for UK and EU projects, and authored guidance for the</p>

EIA input	Organisation	Personnel Experience / Qualifications
		Health & Safety Executive and Energy Institute on vessel collision hazards to offshore installations.
Chapter 15: Aviation and Radar	Coleman Aviation Ltd	Lead author is Wing Commander Mike Coleman (RAF) Retd, Director of Coleman Aviation Ltd which provides independent consultancy services to the wind farm industry on aviation issues. Mike retired from the Royal Air Force in 2012 after 27 years' service; a career in which he first served as a Tornado GR1 navigator and subsequently as an Air Traffic Controller. He has provided consultancy services for over 10 years on a plethora of wind farm-related aviation issues. These issues have included civil airport radar safeguarding, Ministry of Defence (MoD) Air Traffic Control radar, Air Defence radar, Low Flying, aviation lighting, helicopter operations and Met Office radar. In doing so, he has been required to engage with a wide variety of UK aviation stakeholders including National Air Traffic Services (NATS), MoD, Civil Aviation Authority (CAA), numerous civilian airports and helicopter operators; he has also authored the aviation sections of numerous EIARs.
Chapter 16: Seascape, Landscape and Visual Amenity	Optimised Environments Ltd (OPEN)	Lead author is Jo Phillips BA (Hons) Landscape Architecture. Jo is an Associate Landscape Architect, a Chartered Member of the Landscape Institute with 25 years' experience. Jo has worked on the production of Seascape, Landscape and Visual Impact Assessments (SLVIAs), for many offshore projects in the UK and ROI, including East Anglia THREE, Norfolk Vanguard, Norfolk Boreas, Moray West and Dublin Array.
Chapter 17: Marine Archaeology and Cultural Heritage	Orkney Research Centre for Archaeology (ORCA)	Lead Author is Paul Sharman, BA (Hons) Archaeology; PGDip Post-Excav Studies; Fellow Soc Ant Scot; 40 years' experience. Paul has worked on the production and review of EIAs, appraisals, consenting and stakeholder strategy for many offshore projects in Scotland including, but not limited to, supporting the Dounreay Tri floating windfarm, Scotwind Leasing projects, Seagreen OWF and Hywind Pilot Park.
Chapter 18: Other Users of the Marine Environment	Xodus Group Ltd	Lead author is Jane Gordon, BSc Zoology, MSc Environmental Science. Jane is an Environmental Consultant with 3 years' experience. Jane has authored several environmental appraisals, EIA chapters and Scoping chapters for marine renewables, subsea cables and oil and gas assets.
Chapter 19: Socio-economics, Recreation and Tourism	Development Economics Ltd	Lead author is Stephen Lucas, BSc Economics, MSc Economics, with 32 years' experience. Stephen Lucas has worked on the production and review of EIAs, appraisals, consenting and stakeholder strategy for many offshore and onshore projects in Scotland. Offshore projects include Neart na Gaoithe, Moray West and West of Orkney. Onshore projects include Eucharhead, Sheirdrim, Clashindarroch 2, Bettyhill, and Kirkton.
Chapter 20: Climate and Green House Gas Assessment	Xodus Group Ltd	<p>Lead author is Jane Gordon, BSc Zoology, MSc Environmental Science. Jane is an Environmental Consultant with 3 years' experience. Jane has authored several environmental appraisals, EIA chapters and Scoping chapters for marine renewables, subsea cables and oil and gas assets. Jane has supported with the development of the methodology for the climate change resilience review and in-combination climate impact assessment within Xodus Group and has a strong understanding of the potential implications of climate change on the marine environment through this work.</p> <p>Lead Technical Support, Dr Mairi Dorward EngD Offshore Renewable Energy, MSc and BSc (Hons) Environmental Management. Chartered Environmentalist (IEMA) with over 15 years' experience. Mairi has</p>

EIA input	Organisation	Personnel Experience / Qualifications
		worked across a variety of offshore energy projects and has led the development of Xodus' internal process for climate (incorporating carbon) assessments. Mairi has worked on the production and review of EIAs, appraisals, consenting and stakeholder strategy for many offshore energy projects.
Chapter 21: Risk of Major Accidents and/or Disasters	Xodus Group Ltd	Lead Author is Ashleigh Fenton, BSc Geology, AIEMA. Ashleigh is a Lead Environmental Consultant at Xodus with 6 years' experience in environment and consenting services most recently in marine energy projects. Ashleigh's role within Xodus supporting EIAs and environmental assessments for offshore wind and subsea cable projects in the UK and Ireland. Ashleigh has completed a number of MSc modules through Aberdeen University focused on marine renewable energy engineering, a key focus being on safety. Ashleigh also holds certificates in the Fundamentals of Nuclear Safety (Institute of Chemical Engineers) and Managing Safety (Institute of Occupational Safety and Health).
	Copenhagen Offshore Partners Ltd	Lead Technical support is Isaac Connell. Isaac has a Master Degree in Mechanical Engineering. Isaac is Senior Construction Manager at Copenhagen Offshore Partners with 5 years' experience in the North Sea, Oil and Gas sector and 6 years' experience in renewables with a primary focus on onshore and offshore floating wind. Isaac's experience spans all phases of the project lifecycle from early development through to commissioning and operation. Isaac is the Deputy EPC Director for the Pentland Floating Offshore Wind Farm (PFOWF) Project. Isaac has also held his Nebosh National General Certificate in Occupational Health and Safety since 2020.

Table 1.2 Competent Experts supporting the Offshore EIAR (Volume 3) Technical Appendices

EIA input	Organisation	Personnel Experience / Qualifications
Appendix 5.1 – Operational Turbine Noise Modelling Assessment	Hoare Lea LLP	The assessment has been carried out by Matthew Cand Dipl. Eng., PhD, MIOA, of Hoare Lea LLP. Matthew is a full member of the Institute of Acoustics. Within Hoare Lea LLP, Matthew is an Associate Director running the environmental noise group, which has a focus on Environmental Impact Assessments (EIAs). He has over 17 years' experience in the assessment of environmental acoustics and has conducted more than 50 noise assessments for EIA.
Appendix 9.1 – Environmental Baseline Report	MMT	MMT provides the Oil & Gas, Renewable Energy and Interconnector industries with high-resolution marine surveys, asset integrity and construction support. In addition, MMT support governments, companies, organisations and investors in exploring the seafloor. To date, MMT have surveyed in the North Sea, Baltic Sea, Atlantic Ocean, Bay of Biscay and Gulf of Mexico. In terms of support provided to the renewable industry, MMT have most recently supported Seagreen Wind Energy Ltd to undertake their survey campaign to support their wind turbine generator foundations concept design.  MMTs team of highly skilled and experienced specialists are determined to provide the most committed and best service on the market. MMT develop new processes and equipment—based on the latest technology—in order to meet and exceed every client's expectations.
Appendix 10.1 – Underwater Noise Modelling	Subacoustech Ltd	Lead author and underwater noise specialist, Tim Mason has continuous post-graduate consultancy experience since 2001 in design and assessment of underwater and traditional airborne noise situations. Responsible for project management and QA in addition to



EIA input	Organisation	Personnel Experience / Qualifications
		<p>technical consultancy and reporting. Acts as an expert witness for planning enquiries and hearings with respect to underwater noise and its effects on marine life. Experienced in a wide range of acoustic disciplines in addition to underwater noise modelling and monitoring; other disciplines include road, rail and construction noise impacts, industrial noise mapping and control, planning and architectural acoustics, vibration and noise nuisance. Tim has delivered presentations on underwater noise impacts at national and international conferences and has been invited to speak on underwater noise at the Royal Society.</p> <p>Underwater noise modelling lead Richard Barham has over ten years' experience in the development and execution of underwater noise models. Oversees development of the INSPIRE underwater noise model and the INSPIRE light model, a cut down version of INSPIRE which can be used in meetings and workshops. Experienced with the RAMSGeo and dBSea acoustic models. Involved with noise measurements and data analysis of various sources of underwater noise including impact piling, drilling vessel noise and diving equipment. Highly skilled in technical report writing and graphic representation of data.</p> <p>Fergus Midforth is an acoustical Engineer with over five years of experience measuring and analysing underwater noise data from a variety of sources including impact and vibro piling, drilling, blasting, UXO disposal, geophysical survey equipment, vessel noise, and marine mammal vocalisations. Skilled in designing bespoke measurement systems, and engineering and programming for signal processing. Experienced with INSPIRE and dBSea models. Skilled writing technical reports assessing impact of modelled and measured data, and relating impact to appropriate environmental criteria.</p>
Appendix 11.1 – PFOWF: Underwater Noise Impact Assessment	SMRU consulting	Lead author is Rachael Sinclair (BSc Hons Marine Biology, MRes Marine Mammal Science) with key support from Alex Brown (BSc Hons Marine Geography; MRes Marine & Fisheries Science; PhD Marine Science) (see above Chapter 11: Marine Mammals for further details).
Appendix 12.1: Marine Ornithology Baseline Data	HiDef Aerial Surveying Ltd	Lead author is Catriona Gall, BSc Wildlife and Fisheries Management, MSc Environmental Science and MCIEEM (see above Chapter 12: Marine Ornithology for further details).
Appendix 12.2: Marine Ornithology Connectivity and Apportioning		
Appendix 12.3: Marine Ornithology Collision Risk Modelling		
Appendix 12.4: Marine Ornithology Displacement Analysis		
Appendix 12.5: Marine Ornithology Population Modelling		
Appendix 12.6: Marine Ornithology Consultation Advice		
Appendix 14.1: Navigational Risk Assessment	Anatec	Lead author is John Beattie, a Director and Principal Risk Analyst with Anatec Limited based in Aberdeen (see above Chapter 14: Shipping and Navigation for further details).

EIA input	Organisation	Personnel Experience / Qualifications
Appendix 15.1: Instrument Flight Procedure (IFP) Opinion	Cyrrus Ltd	Cyrrus is a leading international consultancy providing a range of specialist aviation support services to help airports and developers manage and overcome the varied and often complex technical requirements associated with the running of an airport or delivering development projects on or adjacent to airports.
Appendix 16.1: Seascape, Landscape and Visual Impact Assessment Methodology	OPEN	Lead author is Jo Phillips BA (Hons) Landscape Architecture (see above Chapter 16: Seascape, Landscape and, Visual Amenity for further details).
Appendix 16.2: Assessment of Effects on the Special Landscape Qualities of Kyle of Tongue National Scenic Area		
Appendix 16.3: Assessment of Effects on the Special Landscape Qualities of Hoy and West Mainland National Scenic Area		
Appendix 16.4: Assessment of Effects on Wild Land Area 39		
Appendix 16.5: Assessment of Effects on Wild Land Area 41		
Appendix 16.6: Night-time Visual Impact Assessment		
Appendix 16.7 Onshore Wind Energy Supplementary Guidance Assessment		
Appendix 16.8 Visibility Frequency Data		
Appendix 17.1: Marine Archaeology and Cultural Heritage Methodology	ORCA	Lead Author is Paul Sharman, BA (Hons) Archaeology (see above Chapter 17: Marine Archaeology and Cultural Heritage for further details).
Appendix 17.2: Marine Archaeology and Cultural Heritage: Gazetteer of sites		
Appendix 17.3: Marine Archaeology and Cultural Heritage: List of MMT geophysical surveys informing the assessment		
Appendix 19.1: Supply Chain Study Assessment	Xodus Group Ltd	Lead author is Lara Jurgens, BA Political Science & Sociology, MA International Studies, Technical Support for supply chain and economic impact assessment methodology (Offshore EIAR (Volume 3): Appendix 19.1). Lara is a Senior Market Analyst for the offshore wind sector, and

<b>EIA input</b>	<b>Organisation</b>	<b>Personnel Experience / Qualifications</b>
(quantification) Methodology		has previously worked over five years for Energy Industries Council (EIC) on the mapping and assessing supply chain capabilities in the UK.
	Steve Westbrook, Economist	Lead author support is Steve Westbrook, BA Economics, is specialised in renewable energy economic impact analysis through his own consultancy and the University of Highlands and Islands (UHI). Steve has more than 40 years' experience as an economist specialising in regional economic development, incl. the following reports and scopes: 2017 for OpenHydro on the potential impacts from tidal projects by 2030 in different regions of the UK; a report with BVG Associates produced in 2016 for SE and HIE on the Economic Benefits of Floating Offshore Wind, and a further report in 2017 for Scottish Power Renewables on the UK and local economic benefits from eight onshore wind farms in South West Scotland; finally a review for HIE in 2014 of the Skilled Labour Available to Potential Offshore Wind Development Supply Chains for Potential Moray Firth Wind Farms.
Appendix 20.1: Carbon Assessment	Xodus Group Ltd	<p>Lead author is Luiza Sampayo. Luiza is and Emissions Engineer with an MSc and BSc in Environmental Engineering. Luiza has over 4 years' experience as an Environmental Engineer. Luiza has been part of a variety of emissions projects within the energy industry. She has been involved in several atmospheric projects including life cycle assessments, Carbon management tools and Large Combustion Plant assessments and Best Available Technique assessments.</p> <p>Lead Technical Support, Dr Mairi Dorward EngD Offshore Renewable Energy, MSc and BSc (Hons) Environmental Management. Chartered Environmentalist (IEMA) with over 15 years' experience. Mairi has worked across a variety of offshore energy projects and has led the development of Xodus' internal process for climate (incorporating carbon) assessments. Mairi has worked on the production and review of EIAs, appraisals, consenting and stakeholder strategy for many offshore energy projects.</p>

Table 1.3 Competent Experts supporting the Offshore EIAR (Volume 4) Visual Materials

<b>EIA input</b>	<b>Organisation</b>	<b>Personnel Experience / Qualifications</b>
Appendix 16.9 SLVIA Visual Materials	OPEN	Created by Jo Phillips BA (Hons) Landscape Architecture (see above Chapter 16: Seascape, Landscape and, Visual Amenity for further details).
Appendix 17.4 Cultural Heritage Visual Materials		