

Lee Edwards

Offshore Superintendent / Client Representative

Leads design, fabrication and installation of monopiles, transition pieces and jackets for offshore wind farms (OWF)



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Profile / Summary

An experienced **Offshore Superintendent / Client Rep**, with a proven track record of leading design, fabrication and installation of monopiles, transition pieces and jackets for offshore wind farms (OWF) such as the Moray East Project and Galloper OWF on behalf of top-tier wind energy operators and construction contractors. Strengths include: supporting engineering and design teams with project planning, secondary design solutions, onshore mock-ups and project procedures; managing facilities and logistics for offshore remedial works, including crew transfer vessels, bunkering, harbour, offices, storage, HSE, accommodation and spares; planning and coordinating vessel load outs, team selection and overseeing certificate of acceptance (COA) to ensure regulatory compliance; managing offshore contractors throughout offshore remedial works, including fixings, coatings, mechanical and electrical snagging to meet contractual, HSE and client QC requirements, avoiding late delays and penalties; and inspecting, surveying and reporting remedial works progress for offshore transition pieces (TPs) and jackets using snagging software and document control systems.

Key Skills / Competencies

- Project Management
- Client Representative
- Transport & Installation (T&I)
- Offshore Construction
- Offshore Remedial Works
- Offshore Wind Farms (OWF)
- Maintenance Management
- Manufacturing / Fabrication
- Risk Management
- Method Statements (RAMS)
- Heavy Lifts
- Project Estimation
- Logistics & Procurement
- Problem Solving
- Project Procedures
- Change Management
- Contractor Management
- Coatings Inspection (NACE CIP2)
- HSE & Process Safety
- Project Design
- Standards/Regulations
- Budget Management
- Leadership
- Mechanical Engineering
- Loading / Offloading
- Engineering
- Inspection / Surveying
- Mechanical Testing / FAT
- Subsea / ROV
- Vessel Load Outs

Education / Qualifications

- 1993 to 1998: Sheffield Hallam University: BSc in Mineral Estate Management 2:1 (Hons)
- 1990 to 1992: Salford City College: HNC in Land Administration & Valuation (Merit)
- 1988 to 1990: Calderdale College Halifax: HND in Business and Finance (Distinction)

Career Highlights:

- Vattenfall engaged Seaway7 to complete a first of its kind primary & secondary steel installation for the Hollandse Kust Zuid OWF. As **Client Rep** led installation of bespoke transition pieces, airtight platform, boat landing system and external working platform with a team of 20 onboard the Jumbo Fairplayer Heavy Lift Vessel with zero downtime.
- Geosea commenced construction of the Galloper Offshore Wind Farm and misaligned 9-ton anode cages on 7 monopiles. As **Offshore Superintendent**, devised lifting and positioning method with safety measures, including ROV operations and successfully aligned cages whilst jack up was in the field, saving ~10 days @ £200k per day.
- Geosea were constructing the Merkur Offshore Wind Farm and experienced an issue with self-closing gates not functioning. As **Port Assembly Superintendent**, designed, manufactured and implemented a bespoke (UDP) plastic / rubber clamp and successfully repaired 200 gates, saving £300k+ whilst meeting design parameters.
- DEME Offshore required a base to deliver secondary works for the Moray East Offshore Wind Farm. As **Base / Offshore Superintendent**, set up operations base at Wick harbour, including accommodation and offices for DEME staff, crewing, warehouses, bunkering and successfully managed operations from Wick for 4 months.

Career History / Work Experience:

Apr 2022 to Present: Seaway7 (HKZ): Client Representative

Hollandse Kust Zuid Windfarm project is 18 km off the coast of The Hague and Zandvoort.

- Reporting to the Onshore Project Manager and managing a team of 20, including the Offshore Construction Manager, Deck Foreman and Technicians, delivering primary and secondary steel installation onboard the Jumbo Fairplayer HLV.

- Involved with creating RAMS for Transport and installation (T&I), secondary steel, foundation work installation and heavy lift of 140 11MW wind turbines, utilising a unique grout free system.
- Leading installation of airtight platforms and boat landing systems using a bespoke tool designed by Seaway7.
- Working alongside the Lloyds Marine Warranty Surveyor to complete certificate of approvals.
- Successfully completed 20 of 140 installations, with a 3-day load out cycle from Rotterdam, including loading of storage tower (8 components) and 10 heavy lifts per port site.
- Completed and issued DPRs and facilitated client meetings, morning calls, handovers and 3day lookahead.
- Led marine coordination meetings and weekly safety meetings and responsible for raising permits and MOC.

Aug 2020 to Jan 2021: Deme Offshore, Moray East Project: Onshore/Offshore Superintendent

The 950MW Moray East Offshore Wind Farm is the first of 2 offshore projects planned to be developed in the Outer Moray Firth.

- Reporting to the Project Manager and managing a team of sub-contractors, setting up onshore infrastructure for the offshore campaign from Nigg and Wick harbour, including general logistics, planning.
- Coordinated unloading of 2 batches of jackets from vessel, travelling from UAE.
- Assisting the Smulders Client Rep and delivering support for handover of 52 offshore jackets out of 103.
- Creating method statements, risk assessments and related documents (RAMS).
- Liaising with all project and Client Managers / Directors, including project management and engineering.
- Actively solved mechanical problems and created solutions to ensure project schedule was met.
- Oversaw documentation control and processing.
- Coordinated and inspected the Imenco hydraulic assembly, installation and related documentation.

Aug 2017 to Dec 2019: Deme Offshore: Merkur OWF: Offshore Superintendent

The Merkur offshore wind farm, Germany Borkum, Island, has 66 turbines producing power for almost half a million homes.

- Reported to the Project Manager / Project Director and managed teams of up to 18 engineers and technicians, delivering all phase of the Merkur Offshore Wind Farm (OWF) project in Port Assembly in Spain, Secondary works, retrofit and maintenance scopes offshore Netherlands. Project phases summarised below:

Port Assembly, Aviles, Spain: Port Superintendent

- Oversaw a team of 5 sub-contractors and over 60 personnel, coordinating and improving the assembly process of 56x transition pieces in preparation for load out.
- Identified design flaws with self-closing gates and designed, manufactured and implemented a bespoke (UDP) plastic / rubber clamp and successfully repaired 200 gates, saving £300k+ whilst meeting design parameters.
- Acted as NACE 2 Inspector and ensured quality compliance, following client specifications such as NORSOK.
- Issued and managed non-conformity reports (NCR), technical queries (TQ) and snag / LOP lists.
- Project managed and updated progress trackers, using Aproplan software as a means of traceability, recording, document control, as-built and client sign off for electrical, coating and mechanical issues throughout the project.
- Implemented improvements in procedures in processes for all contractors and sub-contractors.
- Attended daily / weekly meetings with client and contractors.
- Oversaw all port activities, including coatings and mechanical work scopes.

Secondary Works Scope: Offshore Netherlands: Offshore Superintendent

- Transitioned to Offshore Superintendent and managed a team of 24 engineers, technicians and electricians onboard of numerous service operation vessels (SOV) and jack ups, managing the secondary work scopes.
- Led multi-disciplined team to fulfil extensive mechanical, electrical and coatings activities.
- Liaised with Merkur Client Reps and oversaw inspections of all snag items.
- Recorded all LOP items, using Aproplan - Letsbuild, construction management software.
- Chaired toolbox talks, risk assessments and safety briefings.

Retrofit Scope: Offshore Netherlands: Offshore Superintendent

- Managed a team of up to 10 IRATA rope access technicians and engineers, delivering SRL, strut pin modification and bolt tensioning projects.
- Planned, managed, oversaw and recorded works on Aproplan and project action trackers using excel.
- Ensured all standards were met and recorded / reported.
- Chaired toolbox talks, safety briefings and engaged with Merkur Client Reps.

Maintenance: DEME Office, Belgium & Netherlands: Offshore Structural Specialist

- Reported to the Project Manager / Merkur Client Reps and worked from the DEME office, writing and reviewing method statements and risk assessments for the mechanical, structural and coating maintenance scopes.
- Delivered adhoc offshore client inspections.

Other Adhoc Projects:

- Provided adhoc support as Project Manager on the Galloper Offshore Windfarm, including strut pin retro fit, organising work permits, SIMOPS, planning, daily progress reports, toolbox talks, safety briefings, 5 day look ahead planning, liaising and planning with Galloper OWF and completions handover.

Jul 2016 to Jul 2017: Geosea, Galloper Offshore Windfarm: Secondary Works Superintendent

The Galloper offshore wind farm is located 27 kilometres off the Suffolk coast. The 353 MW wind farm commenced operations in September 2018 and its 56 turbines generate enough green electricity to power the equivalent of more than 380,000 homes.

- Reported to the Project Manager / Project Director and managed a team of 24 offshore engineers / technicians from C Wind, trouble shooting design issues from initial mock up at Smulders Yard, Hobokken, Belgium.
- Attended HAZID / HAZOP and acted subject matter expert for offshore secondary works.
- Negotiated and finalised sub-contractor terms, tasks and rates.
- Implemented design solutions for transition pieces.
- Organised mobilisation and planning for crew transfer vessels (CTV's), crew and secondary work scopes.
- Led planning of secondary works offshore on electrical, mechanical and coatings issues of transition pieces for subcontractor C Wind.
- Attended all client safety, planning and management meetings.
- Introduced / adapted Aproplan software for recording snagging works and reported progress to DEME and RWE.
- Led client inspections of transition pieces for handover process.

Jan 2016 to Jul 2016: Yan De Nul: NACE 2 Coatings Inspector / Level 3 Rope Access Supervisor

- Reported to the Project Manager and worked within a team of 6 Rope Access Painters and engaged with Park Wind Client Reps, overseeing coating / coatings inspections for transition pieces, offshore Belgium at Bligh Bank Phase 2 OWF.

Nov 2015 to Jan 2016: GeoSea, Kentish Flats Windfarm Ext: Offshore Superintendent

- Reported to the Project Manager and worked as a freelance contractor for GeoSea, managing a team of 10 offshore technicians, delivering secondary fixings, remedial works and coatings at the Kentish Flats Windfarm.
- Provided Level 3 IRATA supervision and NACE 2 inspection of the 15 transition pieces.

Relevant Earlier Career

- Mar 2015 to Nov 2015: LE Access: **Coatings Client Representative (Freelance)**
- Jan 2015 to Mar 2015: Vertex Access, Mersey Tunnel Ventilation Shaft Repair Project: **IRATA 3 Supervisor**
- Dec 2014 to Dec 2014: Hertel, Drax Power Station, Leeds, UK: **IRATA 3 Supervisor**
- Nov 2014 to Nov 2014: Technip, Leeds, Factory Inspection: **NACE Inspector**
- Oct 2014 to Nov 2014: Dong Energy & Centrica, Barrow in Furness: **IRATA 3 Supervisor**
- Jun 2014 to Sep 2014: BP Trinidad & Tobago: Galeota Refinery, Amherstia/Savonette Platforms: **IRATA 3 Supervisor**
- Mar 2014 to May 2014: Aspin Group, UK: Geotechnical Rope Access **IRATA 3 Supervisor**
- Jan 2014 to Feb 2014: Centrica, Saipem, Woodgroup Kenny: Offshore North Sea: **NACE Client Inspector**
- Nov 2013 to Dec 2014: Windtex, Birmingham Energy Recovery Facility & Garacumer Wind Farm: **IRATA 2**
- Oct 2013 to Oct 2013: Woodgroup Kenny, Metmast Galloper Wind Farm: **NACE Inspector/ IRATA 3 Supervisor**
- May 2013 to Aug 2014: SCA Rope Access, Royal Navy Docks, Portsmouth: **IRATA 2**
- Jan 2013 to Feb 2013: Blink Giant Media, DI Drilling, High Peak Geotechnical, UK: **IRATA 2**
- Jun 2012 to Sep 2012: Opus Services, BP Andrew Project, Herema: **NACE Level 1 Inspector**
- Jan 2012 to Jun 2012: Altitec, Olympics Equestrian Stadium, London: **IRATA 2 Team Leader**
- Jan 2011 to Dec 2011: Rock Solutions, Gibraltar: **IRATA 1 Rope Access Technician**
- Jan 2009 to Dec 2010: PIH (Cairn Energy), Gujarat/ Rajasthan, India: **Pipeline Supervisor / NACE 1 Inspector**
- Mar 2000 to Dec 2009: IT & Publishing Companies, UK: **Sales & Business Unit Manager**
- Jan 1999 to Mar 2000: Tangent Projects, Building Construction, Reading, UK: **Project Manager**
- Jan 1994 to Dec 1996: Barbrook/Whitbank/ADAN/Tambankulu, Africa: Water, Gold & Coal Mines: **Site Manager**

Training / Certifications

- IRATA Level 3 Rope Access
- NACE CIP 2 Coatings Inspection
- HUET
- GWO Full Package
- Vantage Card
- St. Johns First Aid
- NPORS – CSCS Card
- ITH Bolt Tensioning
- Seaway7 T&I Systems
- Vattenfall Inductions

IT Skills

- Microsoft Office, Word, PowerPoint, Excel, Outlook
- Aproplan Software - Letsbuild

Memberships

- Member of NACE
- Member of IRATA

Publications

- 11-09-2020: G+G7: Overside works in darkness and poor visibility (submission ongoing)

Recommendations

Michael Parker, Project Director at DEME

'Lee is a reliable and valued team member, always quick to make good suggestions. Very flexible and good man manager. Lee excels at getting things done. I would be happy to work with Lee again and have no hesitation in recommending him.'

Kevin Loncke, Works Manager at GeoSea

'I had the pleasure of working with Lee on the Galloper project. Lee's problem-solving ability made him an indispensable member of our team both in the preparation and execution phase. Lee is an excellent people manager towards his crew and knows how to manage the relation with the client representative(s). He would be the first person I'd try to recruit for any offshore project.'

Stanislas Verhasselt, Project Engineer at DEME

'During the secondary works and maintenance campaign on Merkur Offshore wind farm, I had the great luck and privilege to work with Lee. He proved to be a strong and motivated asset in the team, loaded with experience, talent and joyfulness. His transversal and multipurpose knowledge of the different aspects of an offshore wind turbine foundation installation helped establish the desired work procedures and routines. That's it, professional behaviour and team spirit are the key reasons why I would like to work with Lee Edwards again in the future. Hope to keep a friendly connection in and outside the business field. Stanislas.'

Gregor Van der Boon, Fabrication Manager at Akita

'Lee is a dedicated offshore wind professional. He can be relied on to offer dedication to finding and implementing innovative solutions to all manner of problems. With a broad knowledge of offshore foundations, Lee will be an asset during final fabrication, installation, commissioning and secondary works of any offshore wind project.'

Armand Georgescu, Project Engineer at DEME

'I had both the opportunity and pleasure to work with Lee on two separate occasions. Each time he has shown his technical and safety leadership when working in very demanding conditions, typical of offshore wind. I would not hesitate to call upon Lee's help whenever a seemingly impossible project needs to be brought to completion.'

Daan De Cuyper, Fabrication Engineer at DEME Offshore

'Worked with Lee on the Merkur Offshore windfarm offshore and onshore. Lee is fully dedicated to the job and has a wide variety of skills and knowledge about the offshore wind industry (rope access, coatings, mechanical assemblies). Lee was a valuable member of the team with a flexible work mentality trying to get the job done in a proper and safe way.'

Dave Forbes, Construction Manager at DEME

'I've had the pleasure of working several projects with Lee, since 2015. He is a problem solver, always looking for solutions and succeeding where others had long since given up.'