



CURRICULUM VITAE

Laura Taylor
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Contact Details

Office Telephone : + 44 (0) 207 237 2617
Mobile : + 44 (0) 7340 558 115
E-mail : lt@tmcmarine.com

A chartered Naval Architect with over 20 years' experience across different sectors and vessel types spans the whole lifecycle; from future fuels and decarbonisation, leading new build tenders and construction contracts, through to operations planning, in-service maintenance and decommissioning.

Qualifications and Employment

- MEng Naval Architecture, University of Newcastle upon Tyne, 2005
- Chartered Engineer
- Fellow of the Royal Institution of Naval Architects
- BOSIET exp 2028

2024 – present	TMC Marine – Consultant Naval Architect
2018 – 2024	Shell International Trading and Shipping Company – Senior Naval Architect
2012 – 2018	Sealion Shipping Limited – Project Manager / Naval Architect
2009 – 2012	BAE Systems Surface Ships Support – Principal Naval Architect
2007 – 2009	Fleet Support Limited – Project Lead Naval Architect
2005 – 2007	Fleet Support Limited – Naval Architect
1999 – 2000	Defence Evaluation & Research Agency - Technician



Appointments and Responsibilities

TMC Marine Consultants Ltd, London, UK

Consultant Naval Architect

Feb 2024 - Present

- Providing expert support to clients on complex shipbuilding, marine operations and decarbonisation projects.

Shell International Trading and Shipping Company, London / Singapore

Senior Naval Architect

Aug 18 – Feb 2024

- Senior Project Engineer, Shell Eastern Trading Limited, Singapore (Secondment 2023)
 - Hydrogen fuel cell trial project engineering. Evaluation of design and installation on a chartered vessel, participation in safety studies, factory acceptance test attendance, liaison with regulatory bodies, shipyard and vessel owner.
 - LNG bunkering vessel technical assurance and business development.
- Naval architecture support for contract negotiation, technical approvals and delivery of new building projects including:
 - LNG fuelled inland waterway barges
 - LNG bunkering vessels
 - LNG / MDO dual-fuel tugs
 - All-electric tugs
- Shipyard safety and quality audits and vessel inspections and sea trial attendance.
- Technical support for chartered fleet of crude tankers, product tankers, LNG tankers, LNG bunker vessels and FPSOs.
- Project lead for maritime aspects of UK flagged FPSO decommissioning. Responsible for management of towing and tow assurance; inspection of FPSO offshore to prepare for tow and export; representing Owners for Class and Flag matters; development of loading plans and ensuring maritime regulatory framework was satisfied.
- Member of Emergency Response team on-call to provide efficient and decisive technical support for issues with FPSOs and chartered ships.
- Member of the Bureau Veritas European Technical Committee.

Sealion Shipping Limited, Farnham

Project Manager / Naval Architect

Sept 12 – July 18

- New-build Project Manager
 - 150m, DP3 X-Bow Multipurpose Offshore Construction Vessel, Hyundai Heavy Industries, South Korea. 900 tonne and 250 tonne Active Heave Compensated offshore cranes, MODU and SPS notation. 250 Persons on Board therefore complied with full passenger ship regulations and Safe Return to Port.
 - Two 97m DP2 ROV Support Vessels at QWHI, China. 150 tonne Active Heave Compensated offshore crane.



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- Contract negotiation and management, technical approvals, integration of Owner's Furnished Equipment and administration for new building projects.
 - Attendance at sea trials as Owner's representative.
 - Supervision and day to day management of project schedules, budgets and site teams.
 - Ensured owner were accurately and efficiently informed of technical and contractual decisions and were fully up to date with project developments.
 - Implementation of company safety and quality standards, ensuring Owners, Class and Flag requirements were satisfied.
 - Naval architecture and general engineering support to offshore support vessel fleet operations, including stability and structural calculations, lifting plans and FMEA studies.

BAE Systems Surface Ships Support Limited, Portsmouth Dockyard

Principal Naval Architect

Mar 09 – Sept 12

- Naval Architecture technical lead for in-service support within Portsmouth Naval Base.
- Management of Naval Architecture department, resource planning, mentoring, training and recruitment.
- Professional Officer for undertaking steel and GRP surveys.
- Subject matter expert on Capital Ship and Frigate platforms, including attendance of sea trials around the UK and operational deployments overseas.
- Overseeing and conducting inclining experiments.
- Scoping docking periods for warships and ferries.
- Provision of technical oversight for other members of staff.
- Certification of calculations, reports and dock preparation drawings.
- Project planning and identification of new business opportunities.
- Maintenance of Recognised Organisation delegation for conducting watertight integrity surveys on behalf of the MoD Naval Authority.

Fleet Support Limited / BVT Surface Fleet, Portsmouth Dockyard

Project Lead Naval Architect

Sep 07 – Mar 09

- Line management of seven Naval Architects
- Customer-facing role including scope of work negotiation, statement of requirements generation and resolution of technical issues.
- Project management including determination of schedule, cost and resources required, delivery of projects to time, budget and quality.
- Execution of watertight integrity and structural surveys of MoD Naval Ships.
- Stability Naval Architect (Secondment Nov 07 – Jan 08), Major Warships Integrated Project Team, MoD
 - Preparation of submissions to the MoD Naval Authority for Naval Ship Safety Certificates.
 - Organisation of inclining experiments, watertight integrity surveys, structural surveys and calculation of stability and structural metrics. Establishment of loading conditions for docking ships, review and inspection of work carried out by dockyards, attendance at docking meetings and design reviews to ensure compliance with MoD requirements. Determination of tasks to be carried by contractors and approval of deliverables.



Fleet Support Limited, Portsmouth Dockyard

Naval Architect

Sep 05 - Sep 07

- Execution and checking of design calculations including use of relevant software for structural and stability analyses.
- Development of dry docking arrangements for vessels.
- Conduct and analysis of inclining experiments as team member and Incline Officer and conduct of Air Filtration Unit trials on warships.
- Evaluation of escape and evacuation provisions on Royal Navy vessels.
- Naval architectural support to design office, ship repair and refit teams.

Defence Evaluation & Research Agency, Haslar

Technician

1999 – 2000

- Provided technical assistance with submarine model trials and full-scale sea trials.
- Data analysis following trials.