



CURRICULUM VITAE

MARCUS CAVE

B Eng. MRINA Naval Architect

Contact Details

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Experience and Background

Project Manager and Naval Architect, with wide ranging experience within the commercial marine and offshore markets. Expert knowledge in the design, build, maintenance and operation of offshore and specialist ships.

Extensively involved with the preparation and review of contractual documents for shipbuilding as well as the management of the oversight and quality requirements of the Owners and Operators.

The interpretation of requirements and subsequent specification has meant the development of a broad technical knowledge and understanding along with very good communication and presentation skills, a flexible approach as well as the ability to problem solve and provide practical cost effective solutions.

Worked closely with clients, contractors and ships crews on a wide range of projects and understand the importance of good communication between all parties.

Membership of Professional Bodies

- Member of the Royal Institute of Naval Architects

Qualifications

1993 –1997 Strathclyde University, Glasgow, Scotland
B.Eng Degree in Naval Architecture and Small Craft Design
1987 – 1992 Millfield School, Street, Somerset

Experience:**TMC (Marine Consultants) Ltd**

Consultant Naval Architect (February 2012 – Present)

Since joining TMC, has been involved in a variety of projects representing Owners and P&I Clubs from their London offices.

Contractual Disputes and Arbitrations in which I have been involved have included;

Representing Owners as expert, including giving evidence, before a London arbitration relating to latent defects within the construction of a series of vessels.

Naval Architect Expert before a Chilean tribunal, presenting the results of my investigation into the circumstances and cause surrounding the loss of a vessel within Chilean territorial waters.

Advising a shipyard with respect to the reasonableness of cost incurred by the Buyers of a Drillship prior to its cancellation.

Assisting with the preparation and review of expert reports on shipbuilding dispute for the Ro/Ro, Lo/Lo, Flo/Flo, crude and product carriers, bulk carriers and yachts.

Salvage projects in which I have been involved have included;

STOLT VALOR – Owners and P&I representative on site undertaking independent assessments of extents of damage, residual strength and stability. In addition, as technical representation for Owners and P&I in meetings and other discussions with the local authorities with reference to Port of Refuge and disposal options.

CHAMAREL – P&I technical representative for the fire damaged and beached cable laying vessel CHAMAREL. The role included attendance on site for the initial survey and assessment of the vessel, preparation of an Index of Hazardous Material (IHM), preliminary meetings with local authorities, preparation of advice to Clients, preparation of the Invitation to Tender for the wreck removal and assessment of tender returns.

MARITIME MAISIE – Technical assistance to Salvors, attendance on the casualty and responsible for the preliminary independent assessment of the extent of damage, preparation of stability and residual strength calculations including contingency planning and assistance with the review of proposals to extinguish the fire.

WANHE – Chinese P&I and Owners on-site expert during the refloating of a grounded container ship; including giving advise on Salvors proposed remedy, assets to be utilised and day-to-day cost control during the lightering operation. Assisting the crew of the grounded vessel leading up to and during the official enquiry in Columbia.

LUNO – Assisting P&I with the preparation of the Invitation to Tender for the wreck removal based on information collected by TMC and assessment of tender returns. Support and advice to clients throughout the wreck removal with particular reference to documents submitted to the local authorities, survey finding and other technical matters.

SEWOL – Acting as technical advisor to the Korean Ministry of Oceans and Fisheries during the recovery of the vessel. This includes on-site attendance and review of the technical proposals presented by Salvors prior to implementation.

HOEGH OSAKA – Undertaking on site surveys to ascertain the condition of the vessel, its systems and cargo following an incident which resulted in grounding of the vessel and cargo damage. On the basis of the information collected, a causation investigation was carried out, the results of which were used to assist Owners in their discussions with the Authorities and cargo interests.

Other casualties attended, or assistance provided to, include Hansa Brandenberg, MSC Flaminia, World Trader 1, Suerte, Rina, Sunny Ocean, Mariolina de Carlini, MV Deva and Donna Nancy.

In addition to the above, I have also been extensively involved with the following tasks:

- Advise on applicable code for the environmental legislation and the safe recycling of ships and the management of hazardous materials on vessels including the preparation of retrospective Index of Hazardous Material (IHM)
- Damaged cargo, crane and lashing system failure
- Piracy claim assessment
- Damage and on & off hire surveys

Sealion Shipping Ltd

Newbuilding Project Manager (January 2009 – February 2012)

Assistant Project Manager (April 2008 – January 2009)

Naval Architect (July 2006 – April 2008)

Held a number of roles with increasing responsibility and seniority in support of newbuilding projects and existing vessel conversions; this role developed into full responsibility for the design and oversight of projects globally.

Specific responsibilities at Sealion included:

Project Manager – Two SPS compliant multipurpose DP2 Offshore Support Vessels at ABG Shipyard, Surat, India.

Responsible for the preparation of tender documents including plans and specifications and undertaking shipyard assessments and preparation of preliminary capital costs

Assistant during contract negotiations and contract award

Project Manager overseeing all scheduling, financial reporting, technical and plan approval including build supervision; and the management of a multi-disciplined team of employees and international subcontractors.

Project Manager – Toisa Pegasus a DP3 Dive Support Vessel built at Merwede Shipyard, Rotterdam

Responsible for ensuring the delivery of a vessel ready to work including the commissioning and integration of the 18 person, twin bell dive system and associated certification as well as the additional contractual requirement to meet the MODU requirements (excluding drill spread).

Assistant Project Manager – Toisa Pegasus a DP3 Dive Support Vessel built at Merwede Shipyard, Rotterdam

Assisting the Project Manager and site team from block stage through to launch, installation of the dive system and 400t crane, system commissioning, acceptance and marine sea trials.

Assistant Project Manager for the Toisa W-Class vessels delivered from Wuchang Shipyard, China

Assistant to the Project Manager responsible for plan approval, review of equipment specifications, sourcing and integration of Owners supply equipment including offshore active heave cranes and helicopter decks.

Owner's representative on Sea Trials.

In addition to newbuilding roles, was also extensively involved in the day to day operation of the Toisa fleet of 26 offshore vessels. This has included the extensive involvement with the planning and execution of offshore and DP operations including the feasibility assessment of deep water heavy lifting operations to offshore windfarm development work including walk-to-work systems.

- Managing compliance with Statutory and Class requirements including the Special Purpose Code (SPS Code) and other offshore standards
- Review and approval of proposed installations to the vessels by Clients to ensure the certification of equipment such as DP is not compromised
- Preparation of work packages, the selection and management of third party designers and engineers for Sealion vessels
- Assessment of tenders and preparation of corresponding bids and charter documents
- Vessel re-design and preparation in line with Client requirements, including the specification, costing and purchase of equipment and services

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- Vessel mid-life upgrades
 - Change of Role studies

James Fisher and Sons Plc, James Fisher& Sons (Shipping Services) Ltd& James Fisher Defence Ltd

Naval Architect (Sept 1997 - July 2006)

Diverse roles and working environments involving a variety of projects and tasks in commercial marine, nuclear transport, defence, RFA and subsea markets. The following is a brief summary of the work carried out:

Mobilisation Engineer/Naval Architect for the UK Submarine Rescue Service

Mobilisation engineer for the UKSRS, with full responsibility for the planning and on site supervision of the modification required on a potential MOSHIP and subsequent fit of all UKSRS intervention and rescue assets.

The role meant that I had a major role to play as part of the team that successfully rescued 7 Russian submariners in August 2005.

UK MoD and RFA experience

Undertaking studies into the use of commercially available off the shelf (COTS) equipment on military and military support assets.

Studies and proposal for the replacement of the UK MoD forward repair ship, Fleet support assets and a hospital ship using modified commercial tonnage; without compromising capability or adherence with military standards.

Conceptual Design

The preparation of preliminary vessel concept to identify the requirements of emerging or changing marine markets for both internal and external clients.

Within the vessels and markets investigated, I was the Naval architect for a project investigating the requirements of the transit through the North West Passage, including design evaluation of proposals received from NKK Japan and other UK designers.

The vessels were to meet the requirements of LRS Ice Class 1A with the option for Ice Class 1AS and equivalent Finish-Swedish classification.

New Vessel Design

This has included the development of conceptual designs, from internal and external sources, to the point where the basic design can develop into a detailed design.

Major Vessel Conversions

The work has been a combination of studies and follow on work with the James Fisher Fleets for Cable Ships, Tankers and the managed BNGS Nuclear Fuel Carriers.

These conversions included a number of ship types and roles and ranged from installation of chose handling cranes on tankers, to conversion of ships to cable laying and retrofit of structures to permit retrospective compliance with the Ice Class Rules.

These investigations and conversions were carried out primarily in accordance with DNV and LR rules.

Design Management

Through the course of major design projects, it has been increasingly common for the Design Authority and Configuration Control to be retained by the lead contractor while delegating the design within the selected partners.

Ship Disposal/Recycling

Involvement in the safe disposal of vessels, within Europe, using the new international guidelines with respect to the subject including the retrospective preparation of Hazardous Substance Registers.