



CURRICULUM VITAE

MIKE FITZGERALD

B.Eng

Contact Details

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Qualifications

B.Eng Class II, Div I (Hons) in Shipbuilding and Naval Architecture, Newcastle University.
DOT Class II Certificate of Competency (Steam).
Part A, Class I Certificate of Competency.
DOT Class IV Certificate of Competency (Motor).
CGLI Marine Engineer Technicians' Advanced Certificate.

Background and Experience

Cadetship with P&O Steam Navigation Co. Ltd
Seagoing experience on General Cargo, LPG and passenger ships (motor). Watch keeping/maintenance experience in engine room, deck and cargo plant.

Seagoing engineer with P&O Cruises Ltd

After cadetship, 5 years' seagoing experience up to the rank of third engineer on some of the company's steam-powered passenger vessels. Watch keeping and maintenance experience in engine room to supervisory level - power plant and hotel services.

Operational and maintenance experience outside engine room of hotel services and deck machinery, including navigation, lifesaving and fire-fighting equipment and sewage plant. Maintenance and repair work in the engine room during refit. Supervision of boiler room maintenance and repair schedules during drydockings.



Degree course at Newcastle University

Included summer vacation experience with Lloyds Register of Shipping at Liverpool and Middlesbrough outport offices. Involved in the survey of machinery and steel structures

in the marine and offshore industry and also industrial services work.

Vacation experience at Cammell Laird Shipbuilders, Birkenhead, working in the Estimating department.

Specialised in computer applications. Developed a computer program to automatically route piping systems through an engine room.

Vickers Shipbuilding and Engineering Ltd, Barrow

Company involved in the construction of conventional and nuclear powered submarines.

Worked in SMITE (submarine machinery installation and testing establishment), involved in the testing and operation of prototype propulsion plants for the Trident and SSN nuclear powered submarines.

Work also in the Installation Planning Department, gaining experience in product-work breakdown, materials estimation and costing and project management. Naval Architects Department, working on the design of small offshore patrol boat for foreign governments.

Shipboard Informatics Ltd

Company involved in software development for use in the Marine Industry, chiefly of the Seamaster Loading Instrument and its support modules which include SEADAM and SEAFLOOD for modelling of damage and flooding scenarios, CPLAN and COMLASH for container stowage planning and lashing analysis, BPLAN for break bulk stowage planning and SEACOC for Cargo Operation Control.

Involved in all aspects of the company's development of commercial computer software for supply to the shipping industry from initial contact with the shipowner through to



design, programming, testing, installation, acceptance and training. Also includes involvement with Classification Societies in obtaining approval of the software and implementation of new legislation. Vessels include bulk carriers, container ships, oil tankers, ferries, break bulk/general cargo vessels and semi-submersibles.

Production of computer models to assess the effect on stability and strength of vessel lengthening and changes to container stowage arrangements and lashing arrangements.

Also involved in the development and implementation of stability software used in semi submersible simulators for training in the offshore industry in Aberdeen.

Production of computer models and analysis for vessels in support of the activities of TMC (Marine Consultants). Work includes computer analysis of container stowage collapses, ongoing salvage operations and investigations into previous salvage operations carried out by other parties. Vessels – container ships, bulk carriers, oil tankers, ferries, break bulk/general cargo vessels.

Also involved in the development of interfaces with third party products like container stowage planning software, draft and tank gauge reading, reefer stowage and temperature control and training simulators.