



CURRICULUM VITAE
ANTHONY JOHN BOWMAN
BSc (Hons) CEng FRINA

Contact Details

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Date of Birth 26.03.1947

Professional and Academic Qualifications

Honours Degree in Naval Architecture and Shipbuilding, graduated 1976 from the University of Newcastle Upon Tyne.

National Certificate in Naval Architecture and Shipbuilding, graduated from Southampton College of Technology in 1972.

Department of Trade Foreign Going Certificate for 2nd Deck Officer obtained in 1967.

Chartered Engineer (CEng).

Fellow of the Royal Institute of Naval Architects (FRINA).

Awarded North East Coast Institution of Engineers and Shipbuilders Shipbuilding Scholarship for 1974).

Background

Managing Director and practising naval architect with TMC (Marine Consultants) Ltd., a founder share holder of the company formed in 1979.

Chairman of the Board of Directors in February 2011 (Managing Director 1979-2011).

Current/previous work includes:-

Advising and carrying out technical investigations and acting as expert witness in connection with all types of marine disputes and casualties such as:-

Structural Failure of ships structure (global failure and local failure)

Stranding

Marine Salvage

Total Loss

Newbuilding & conversion projects, including ferry/drill ship

Vibration of ships structures

Hatch cover leakage and maintenance

Container Loss/Collapsed Container Stow

Anchor/Mooring problems/Unsafe Berth

Collisions/Speed and Angle of Blow

Constructive Total Loss

Flooding/Stability/Damage Stability



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Design and construction of aluminium catamaran passenger ferries

Appointed by the British Government to chair the committee of experts to investigate the loss of factory fishing vessel GAUL and present the evidence to the Inquiry.

Casualties and Survey Work

Opinion, Salvage and Survey Work

Investigations/and on site salvage cases include KHARG 5 (VLCC), TRADE DARING (cape size), MAERSK NAVIGATOR (VLCC), SALLY ALBATROSS (cruise ship), EUROJOY (bulkcarrier), AEGEAN SEA (VLCC), BELORUSSIYA (cruise ship/ floating dock capsized), SEA, PRINCE, (VLCC), NAKHODKA, (TANKER), M.S.C. CARLA (large container vessel), MAERSK TOKYO, ACONCAGUA, C.M.A. DJAKARTA, GRECIA EXPRESS, VISHVA, NANDINI, ERIKA (TANKER), TREASURE (CAPE SIZE), SONIA (SCOPIC), ANEMONE (CARGO, SCOPIC CASE), TREASURE (SCOPIC CONTRACT, CAPE SIZE), JOHN R (SCOPIC) (bulk carrier), NORMANDY (container), CRYSTAL (tanker), ALEXANDROS T, PRESTIGE, HANJIN PENNSYLVANNIA, NAPOLI, MOL DISCOVERY, REPUBBLICA DE GENOVA.

Structural

Investigating structural damages in connection with shipping casualties including the following:-

PROTOKLITOS 4
MANILA TRANSPORTER
AIDA
MARMARA S
KAMARI

Researching and advising on newbuilding/ conversion disputes in connection with contracts design, powering and structure.

Employed by Lloyd's Register as a consultant and Det Norske Veritas as technical expert. Carrying out ship inspections for purchase on most types of merchant craft including bulk carriers, tankers (VLCC's) Inspection of ship's records held by Classification Societies.

Unsafe berth and port claims for Tanker/OBO/Cargo Vessels, including estimate current and wind effects.

Compiling Cargo Loading/Stability Manuals for tankers, bulk carriers, and container vessels for submission to National Approving Authorities and Classification Societies.

Use of in-house computer programs for stability, flooding and structural calculations, and casualty/damage response.



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Together with a colleague, researched and developed and obtained Classification approval for technical computer programs for shipboard use as follows:-

Longitudinal strength
Stability
Container securing programs
Flooding, damage stability, structural failure.
Carrying out safety condition surveys for entry into P & I Clubs.
Superintending damage repairs and attending/ investigating marine casualties of bulk carriers and tankers such as collisions, structural failures, and strandings, etc. which often includes carrying out stability, structural and flooding calculations.
Assessing speed and consumption claims.
Investigating/checking ship lightweight and stability.
Undertaking ship design and conversion projects.
Attending ship sea trials and analysing trial data.
Acting as Consultant to shipowners and P & I

Shipboard Informatics

Since 1986 Managing Director and founder share holder of Shipboard Informatics Ltd., a company producing marine software approved by all the leading Classification Societies for use on board all types of merchant ships including:-

Bulk carriers
Tankers (including VLCC's)
General cargo vessels
Container ships

The software calculates the vessel's stability, heel, trim, bending moments and shear forces, in accordance with regulation requirements, and in the case of container vessels, calculates the forces acting on the containers and the securing system for a particular cargo. The software will also estimate residual strength, and stability following damage.

The software is currently in use on over a 200 merchant ships.

Previous Employment

Previously consultant Naval Architect with Gerald Geddes & Partners, Consulting Engineers and Naval Architects, 1976-1979. Work included: Senior plan approval naval architect newbuildings, negotiating new-building contracts and organising new-building supervision. Inspection of tankers and other vessel types.



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Investigating and researching the breaking in two of tankers and bulk carriers due to various types of structural failure such as fatigue and brittle fracture.

Research to establish the cause of a series of fractured rudder stocks.

Longitudinal strength calculations.

Investigating structurally over loaded tweendeck, groundings, collisions salvage claims and capsizing due to lack of stability.

Investigating the causes of excessive hull girder vibration and hull deflection of a series of bulk carriers.

Trained as a Naval Architect Surveyor with Lloyd's Register of Shipping concurrent with University Course 1973-1976, which included working on design approval of newbuildings (tankers, bulk carriers and drill ship conversion) and surveying these vessels during construction.

Assistant Superintendent with Turnbull Scott Shipping Company from 1969 to 1972, work concerned with the maintenance and operation of tankers, chemical tankers, bulk carriers and general cargo vessels. Supervising drydock repairs.

Served at sea in the Merchant Navy as Deck Apprentice 1964-1966 and Deck Officer 1966 to 1969, with Turnbull Scott Shipping Company, serving on tankers, bulk carriers and general cargo ships.