



## CURRICULUM VITAE

### **KENNETH CHRISTOPHER SHORTALL**

BSc CEng M I Mar EST

Marine Engineer

#### **Contact Details**

Office Telephone : +44 (0)1634 366 300  
Mobile : +44 (0) 776 833 7810 (UK) /+65 9656 1544 (SG)  
E-mail : ks@tmcmarine.com

#### **Qualifications**

B.Sc. (Hons) from Open University – currently studying for Master of Science in Engineering  
Class I Steam & Motor Certificate of Competency  
O.N.D. Mechanical Engineer, endorsements for Naval Architect & Power Plant  
Maintenance  
Professional Certificate in Management  
Diploma in Computing  
Failure of stressed materials short course – The Open University  
The Cambridge Tribology Course  
ISOH Managing Safely Certificate  
NEBOSH National General Certificate in Occupational Health and Safety  
Internal Auditor for ISO 9001/45001

Member of the Institute of Marine Engineers, Scientists and Technology.

#### **Background and Experience**

Consultant with TMC (Marine Consultants) Ltd – 1996 - Present.  
Appointed Director of TMC (Marine Consultants) Ltd in December 2005.  
Appointed Managing Director of TMC Marine Pte. Ltd in October 2018, returned to London  
June 2020 at the end of secondment period.  
Appointed Senior Director of TMC (Marine Consultants) Ltd from March 2020.



---

Consultant for new building specifications of LPG tankers on behalf of Norwegian Owners. Assisting with negotiating of new building contracts with Chinese shipyards and equipment manufacturers on behalf of ship owners.

Analysis of vibration problems on ferries container vessels and passenger ship new buildings and the damages caused by the vibration.

Internal auditor of ISO 9001 Quality Management System , ISO 45001 and ISO 14001 systems and Management representative.  
Performing quality analysis of new building shipyards on behalf of Owners.

Assisting Owners with repairs to rudders/steering gear and propeller problems.

Extensive analysis of CP propeller systems and failure analysis on behalf of major P&I Clubs.

Analysis of shafting and stern tube bearing failures and lubricating oil issues.

Examination of Crane failure on behalf of P& I Club, Owners, Charterers and shipyards.

Analysis of structural damage to hulls of vessels and of cranes due to various overload and collisions

Examination of fatalities on offshore structure during sub sea pipe laying operation  
Examination of cause and costs analysis following damage to subsea pipeline.

Investigation of various propulsion problems involving main engines and propellers  
Including main engine and propeller induced vibration problems.  
Examination of electric propulsion and azimuth propulsion problems.

Investigation of Main engine entablature and crankshaft failure on behalf of P&I Club  
Superintendent for the replacement of Main engine crankshaft and bedplate on behalf of Owners.

Examination of failure of the towing winch of a tug following failure during the voyage.  
Examination of various problems with towing equipment on tugs.

Examination of the failure of Azipod propulsion motor on behalf of Owners and P&I

Acting as P & I Club Representative on Salvage Operations, including assessment of stability and structural damage.



---

Acting as P&I Club Representative on Wreck Removal Operations.

Investigation of electrical plant and switchboard damage, and subsequent fire.

Investigation of fires on various vessels, including container ships and ferry.

Investigation into the machinery problems caused by adverse quality of bunkers and the subsequent failure of machinery on board.

Investigation of issues with vibration and failures of LNG compressors on a series of new build LNG tankers in Korea.

Investigation of the failure of dual fuel engines on LNG tankers

Experience acting as expert witness in Arbitration and court hearings in UK, Singapore, Hong Kong and Canada

Apprenticeship with BP Shipping Ltd.

Seagoing Engineer up to rank of Chief Engineer on the following types of ships, between 1976 and 1996.

LNG tankers

Crude oil and product tankers

As part of my seagoing engineer duties, I also acted as electrician on board oil and gas tankers.

Refrigerated container and cargo vessels both in engine room and supervision and maintenance of cargo refrigeration plant.

High speed passenger ferries.

Work during my time at sea included preparation of drydock specifications and the supervision of Dry dock and repair work.

Supervised the re-engining of steam vessel to motor vessel.

Preparation of docking specifications for gas tankers.

Supervision of repairs at surveys in dry docking of cargo vessels and tankers.

Implementation of planned maintenance routines on various vessels.