



Global Marine
Consultants and Surveyors Ltd.

Dennis Wilbur DSouza

**CEng/ Chief Engineer/ BEng (Hon) Electrical Power Engineer/ CMarEng FIMarEST / RINA
/MIET / MIIMS**

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Profile

36 years of success in Marine Engineering, Technical Consultancy, and other people-oriented positions, with leadership experience in professional settings both technical and academic. Authoring FMEA and witnessing trials – as per IMCA / MTS / Class guidelines on DP2 and DP3 vessels for clients.

Proven Professional Achievements include:

1. Managing all departmental activities with annual revenue of circa £3m. Responsible for marketing, customer relations, preparation of tenders, allocation of resources, project monitoring through to final invoicing.
2. Proven experience taking the lead in the management of contracts, maintain and develop relationships with existing and new clients and promote new opportunities.
3. Provide mentoring and guidance to service team members.
4. Conduct gap analysis to determine quality of FMEA, produce FMEA addendums to cover upgrades, successful delivery of Class approved FMEA report including proving trials program for conversion projects from DP 1 to DP 2.
5. Develop Activity Specific Operational Guidance (ASOG) for Marine Assets.
6. NPCC - DLV 4200 FMEA including SAT attendance at Shipyard and Pipe lay FMEA Proving Trials.
7. Fortuna Pipe lay system verification.
8. Sapura 3000 – develop ASOG.
9. Upgrade stability program software for client pipe lay vessel to include pipe lay mode.
10. Proven experience of Predictive maintenance and equipment reliability analysis Root Cause Analysis and critical fault management
11. Undertake reviews and approval of documentation for internal and external dissemination and represent the service line internally and externally.
12. Complete design analysis for an existing LNG STS multi buoy mooring (MBM) system and conceptual design for new site LNG STS multi buoy mooring system.

Technical Ability:

Marine Asset Capability Assurance	Gap analysis / HAZID / HAZOP / FMEA
Mooring Analysis	Electrical and Naval Architecture design
Dynamic Positioning (DP) Assurance	Incident / Accident Investigation

Education and Memberships

- BEng Honors Electrical Power Engineering, Glasgow Caledonian University, UK
- Chief Engineer Class 1 (Motor), MCGA, UK
- Internal Auditor Course
- CEng – UKC / CMarEng FIMarEST - IMarEST
- Full member of the International Institute of Marine Surveying
- Member of the Institute of Engineering Technicians
- Member of the Marine Technology Society, USA
- Fellow of the Royal Institute of Naval Architects
- Fellow of the Institute of Marine Engineers, UK

Work Experience

CHIEF ENGINEER | MERCHANT NAVY | MAY 2002 TO JUL 2003

- Started my sea going career as an apprentice marine engineer from India in 1984.
- I have served as junior engineer for three years on various classes of ships including bulk carriers, reefers, container ships, fast ferry, and offshore supply vessels.
- As a Chief engineer on Bulk Carriers and Offshore Support vessels, I have overseen the running and maintenance of main diesel propulsion plant and auxiliary machinery.
- During tours of duty, attended to statutory dry docking as part of the ongoing ship survey cycle.

OWNER / DIRECTOR | GLOBAL MARINE CONSULTANTS AND SURVEYORS LTD | MARCH 2014 TO DATE

- Set up a successful independent consultancy showing excellent growth and offering diverse range of services including Dynamic Positioning assurance, Marine Warranty surveys and Failure Mode Effect Analysis for Marine / Offshore equipment as well as green ship recycling in India.
- Appointed as Consultant engineer for ABS IV (India) the official verification agency for ONGC India for their technical inspection surveys for upgrades, equipment integrity, technical reports, and FEED projects.
- Authoring FMEA and witnessing trials – as per IMCA / MTS / Class guidelines on DP2 and DP3 vessels for clients that include DNV GL (Norway and UAE), Tide water (UK), Hydro Dive (Nigeria), Seamec International (India), Chellsea (Singapore), Arena Ship Mgmt (Singapore), NPCC (UAE), Babcock International (UK), Bhumi Armada (Malaysia), Sapura Energy (Malaysia).
- Conduct gap analysis to determine quality of FMEA, produce FMEA addendums to cover upgrades, successful delivery of Class approved FMEA report including proving trials program for conversion projects from DP 1 to DP 2. FMEA report including proving trials for Pipe Lay vessel. Design software module for pipe lay vessel stability program as an upgrade modification. LNG terminal design for STS operations.
- Develop Activity Specific Operational Guidance (ASOG) for Marine Assets.

UK DP MANAGER / DEPUTY MANAGER | DNV GL (FORMERLY – GL NOBLE DENTON) | JAN 2013 TO MARCH 2014

- Take the lead in the management of contracts, maintain and develop relationships with existing and new clients and promote opportunities.
- Provide technical consultancy which includes various engineering functions like Marine Asset Capability Assurance, Project Management, Dynamic Positioning (DP) Assurance, Incident / Accident Investigation, Gap analysis,
- Marine Assurance / Warranty surveys and conducting detailed failure mode effect analysis and Criticality analysis (FMEA / FMECA) for all types of vessels.
- Undertake reviews and approval of documentation for internal and external dissemination and represent the DP service line internally and externally.
- Provide mentoring and guidance to DP service team members
- Witnessing and reporting of Annual DP Trials and DP FMEAs
- Conduct CMID inspections according to IMCA guidelines in electronic as well as hard copy version.

SENIOR CONSULTANT / GL NOBLE DENTON | AUG 2011 TO JAN 2013

- Witnessing and reporting of Annual DP Trials and DP FMEAs in a thorough manner, noting any anomalies that have arisen since the last trials.
- Carrying out comprehensive analysis in preparing DP FMEA reports for all types of vessels.
- Compiling thorough vessel condition reports for ship owners and their clients.
- Investigating reported problem areas and suggesting solutions that could render the vessel more reliable.
- Conduct CMID inspections according to IMCA guidelines in electronic as well as hard copy version.

OPERATIONS SUPERINTENDENT | GULFOFFSHORE NS | JUL 2010 TO AUG 2011

- Responsible for the operations of three offshore supply vessels.
- Provide guidance to vessel crew
- Ensure vessel is kept in Class and conduct regular ISM audits.
- Plan, Budget and Supervise Dry dockings.

SECOND ENGINEER | CALEDONIAN MACBRAYNE FERRIES | FEB 2010 TO JUL 2010

- Contractual position; responsible for the running and maintenance of main propulsion and auxiliary machinery on passenger / Ro Ro ferry operating in the Western Isles of Scotland.

SENIOR CONSULTANT - TECHNICAL | MAREX MARINE AND SAFETY SERVICES | FEB 2008 TO JAN 2010

- Author Written Scheme of Verification in keeping with UK HSE Safety Case Regulations as an auditable and measurable document which defines the reliability of the maintenance system by identifying the functional requirements and performance standards of all safety critical equipment on a rig.
- Conduct Failure mode effect analysis (FMEA) which involves a technical study of the plant / equipment with key personnel to identify single point failures in design.
- Facilitate FMEA for DP class vessels including performance trials.

- Accident investigation, Hull and machinery inspections of stand-by supply vessels as the independent competent person on behalf of a major oil client prior charter of vessel for operations. Specialize in HV electrical systems and diesel electric propulsion units fault finding and problem solving.
- Facilitate major hazard risk assessment with bow ties a structured technique to identify hazards and mitigation barriers in a system to finally identify safety critical equipment in the system.
- HSE advice on managing investigation and analysis of incidents and reporting to UK HSE.
- Conduct condition, suitability, damage surveys.

LECTURER | GLASGOW COLLEGE OF NAUTICAL STUDIES | JAN 2006 TO FEB 2008

- Prepare and deliver course for senior Marine Engineer students in Electro Technology for the SQA examination of Class 1 Engineers.
- Examiner for UK HND – Marine Engineer course.
- Train engine cadets in maintenance of diesel engines, pumps, compressors, and hydraulics systems

GENERAL MANAGER - TECHNICAL | VIGIL MARINE AND SAFETY SERVICES, INDIA | AUG 2005 TO DEC 2006

- Planning work scope for dry docking repair (Steel renewals) of client vessels.
- Recruitment and training of ship staff for tankers.
- Conduct NDT testing of hull for all class of ships using UT gauging to measure wear down of steel as per IACS requirement and supervise steel renewals.

ASST GENERAL MANAGER - MARINE | ISPAT INDUSTRIES, INDIA | AUG 2003 TO AUG 2005

- Responsible for the purchase and operations of company owned bulk carrier.
- Surveyed vessel in Nigeria and reinstated into Class with IRS.
- Supervised ship managers of vessel to ensure that vessel is maintained in Class after dry docking in Western India Shipyard.