

CAPTAIN PETER J McARTHUR MNM. MBA LLB(Hons) CMMar CMarTech FIMarEST FNI MCIArb MAE

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EXPERIENCE

Specialist Fields

Surveying, Maritime Law / Mediation / Expert Determination / Pilotage / Master & Deck Officer / Navigation, Marine Safety & Port Operations / Pilotage & Ship Handling / Collision & Groundings / Cargo Operations including Oil & Product Tankers, Bulk, Timber, Vehicle Transporters / Ship-to-Ship (STS) Transfer Operations / Offshore Oil & Gas Industry Marine Operations / Marine Engineering, Wet & Dry-dock operations.

I am a Chartered Master Mariner, Chartered Marine Technologist, Qualified Lawyer, Maritime Technical & Commercial Consultant, Accredited Expert Witness, Qualified Arbitrator and Expert Determiner. Also a supporting member of London Maritime Arbitrators Association (LMAA), Member of the Chartered Institute of Arbitrators, a Member of the Academy of Experts and Series Editor for Lloyd's Practical Shipping Guides.

I have over 46 years of Piloting, Command and Technical specialisation in the Shipping, Offshore Energy, Ports and Harbour sector. My expert credentials are underpinned by an extensive background in Marine Operations, Technical Consultancy, Cargo (oil, chemical, product, bulk-cargo, timber, ro-ro & ro-pax) Operations and Incident Investigations. I have developed specialist skills in Ship-handling, Vessel Hydrodynamics, Confined-waterway Navigation, and ship-handling. I have extensive experience in the Offshore Energy sector, particularly in relation to Semi-submersible Oil Rig movement and operations.

Education & Professional Qualifications:

Merchant Navy Medal for Meritorious Service (**MNM**)
Master's in Business Administration (**MBA**)
Bachelor of Laws, with Honours (**LLB (Hons)**)
Master Mariner - STCW II/2 (Unlimited)
Senior Marine Pilot (Class 1 – unrestricted) – Manchester Ship Canal
Chartered Master Mariner (**CMMar**)
Chartered Marine Technologist (**CMarTech**)
Higher National Diploma Nautical Science and Engineering.
Fellow of the Institute of Marine Engineering, Science and Technology (**FIMarEST**)
Fellow of the Nautical Institute (**FNI**)
Associate Fellow of the Royal Institute of Navigation (**AFRIN**)
Certificated International Arbitrator (**CIArb**)
Civil and Commercial Mediator (**SCMA**)
Certificated Navigation Assessor (**Nautical Institute**)
Advanced Professional Accreditation in Expert Witness Evidence (**APAWE**)
Qualified Expert Determiner (**Academy of Experts**)

Professional Associations:

Younger Brother of the Trinity House Corporation, London (**YB**)
Warden of the Honourable Company of Master Mariners (**HCMM**)
Deputy Chair for Chartered Master Mariner Registration Authority
Member of the Chartered Institute of Arbitrators (**MCIArb**)
Member of the Worshipful Company of Arbitrators
Member of the Academy of Experts (**MAE**)
London Maritime Arbitrators Association, Supporting Member (**LMAA**)
Member of the London Shipping Law Centre (**LSLC**)

Industry Operational Experience Includes:

- 23 years as a Marine Pilot
- 23 years Seagoing including Command (STCW Master II/2 (Unlimited))
- Extensive Operational Service including:
 - Ship-to-Ship operations and superintendency
 - Bunker operations and Port Captain.
 - Crude, Refined Oil, Chemicals & Product tanker operations
 - Molten Sulphur Tankers
 - Bulk Carriers
 - Timber & Paper Product vessel operations.
 - Vehicle (Ro-ro & Ro-pax) Transporters
- Port Captain & Cargo Superintendent
- Berthing Master and Port operations controller.
- Marine Technical Superintendent
- Wet and Dry-dock Superintendent
- Oil rig (Semi-submersible) service
 - Barge Master
 - Tow Master
 - Offshore Installation Manager (OIM)
 - Semi-submersible Rig Superintendent
 - Rig technical operations & maintenance specialist.
- Industry-wide Marine Technical Consultant
- Extensive expert witness appointments

Areas of Expertise:

- Harbour Pilotage
- Bridge team, vessel command and cargo operations.
- Safety of Life at Sea (SOLAS) – including Personal Accidents, Injury & Deaths.
- Ship Handling, close-quarters manoeuvring and Collision Regulations (COLREG) issues.
- Navigation and voyage performance
- ECDIS and Electronic Voyage Data Recorder (VDR) Analysis and Interpretation
- CCTV Analysis and Interpretation
- Moorings and Cordage Consultancy – including on / off hire disputes
- Ship Hydrodynamics and Vessel / Static-infrastructure Interaction
 - Hydrodynamic related collisions
 - All aspects of Marine Weather and Associated Issues

Areas of Expertise cont'd

- Vessel Synchronous and Parametric motions – and associated incidents.
- Port Operations, Navigation and Harbour Regulations.
- Tanker Operations, including:
 - Petrochemical, white oil and Product,
 - Molten Sulphur and other heated cargoes.
 - Ship-to-Ship transfers and offshore bunkering operations
- Bulk and Timber Carrier operations.
- Ro-ro and Ro-pax operations
- Vessel Groundings and Salvage
- Subsea Cable and Pipeline Damage – including bottom-trawling related investigations
- Not Always Afloat but Sometimes Aground (NAABSA) Berth and related incidents.
- Dry-Dock and Wet-Dock Project Management
- Heavy Lift Operations
 - Port Mobile Cranes, Floating Cranes and Derrick Barges.
- Port Berth, Mooring and Safety related operations
- Port Safety and Security
- Offshore Oil Rigs (Semi-Submersibles)
 - Towage and Movement (all aspects)
 - Damage – including Heavy Weather
 - Deck and Operational
- Inland Waterway, Tidal Rivers and Canal incidents and investigations
- Port Planning and Traffic Separation Scheme Development
- Tugs and Towage
- Small craft and Sailing Vessel operation and incidents

- Unmanned Aircraft (UAV / Drone) Operations
 - CAA (Commercial Operations) Qualified Drone (UAV / UAS) Pilot
 - CAA Permission for Commercial Operations (PfCO) licencing
 - Aerial (Drone / UAV) Photographic & Video surveying

As an accredited trainer, I have developed a range of bespoke maritime training courses on the subjects of:

- Hydrodynamics and Interaction
- Berth safety and mooring operations
- Ship handling in close quarters situations
- Ship stability, synchronous and parametric motions – and how to deal with them.
- Port and Harbour Towing operations
- Pilotage law and the law for pilots

Current Positions and appointments:

- Senior Pilot for the Manchester Ship Canal
- Director of Norwest Interaction Ltd – Independent marine and technical consultancy
- Navigation and port safety consultant to the UK Environment Agency
- Marine consultant and technical advisor for Cameron Maritime Resources (CMR) – as required

Current Positions and appointments cont'd

- Marine expert witness for HKA – as required
- Marine technical and legal consultant for Crouch Harbour Authority and Trust Commissioners
- Warden of the Honourable Company of Master Mariners (HCMM)
- HCMM nominated Nautical Assessor for the Admiralty Court of Appeal – as required
- HCMM nominated Nautical Assessor for the UK Supreme Court – as required
- Series Editor for Lloyds Practical Shipping Guides

Former Positions include:

- European Car Carriers (UECC) Grimsby: Superintendent, Ships Master & Senior Officer
- Transocean Offshore / Wilrig UK / Various Agencies: Rig technical specialist, Tow Master, Barge Master, Barge Engineer, Marine Superintendent, Stability specialist.
- SGS Redwood (Saudi Arabia): Marine Surveyor, Port Captain/ P&I Surveyor / Classification inspector.
Specialising in Ship-to-Ship (STS) transfers, Oil, Product, Chemical Tankers, Bunker operations, Bulk cargoes (including grain, bulk powder, iron ore, aggregates, and similar commodities)
- Humberside Sea & Land Ltd: Berthing Master, Operations Manager; Hydrographic Surveyor
- Caleb Brett USA: Cargo Surveyor and Marine Technical Consultant
- F.T Everard & Sons: Port Captain, Dry-dock Superintendent, Senior Officer.
Gained experience in Petrochemical & Products, Chemicals, Lube & Transformer oils, White Oils, Bulk cargoes, Timber & Paper products.

Notable Expert Appointments and Advisory roles include:

- *Xin Ping Yang v. Princess Mary (2010)*: Collision in Malacca Straits (Singapore Court)
- *Costco Napoli (2010)*: Near miss in port (Expert analyst, advisor, and hydrodynamic consultant)
- *Costa Classica v. Lowlands Longevity (2011)*: Separation scheme collision (Shanghai)
- *Braganza v. BP Shipping Ltd (2015)*: Expert Technical Advisor (Resulted in *Braganza rights* precedent)
- *Llys Helig v Malden DC (2017)*: Riverbed salvage – independent advisor for Harbour Authority
- *UK Environment Agency (2017)*: Expert witness for the Boston flood defence barrier, public inquiry.
- *GGT v TN Trawlers 2018*: Sub-sea cable severed (Edinburgh, Court of Sessions)
- *UK Environment Agency (2019 - Present)*: River navigation, ship-handling, and port safety advisor.
- *M/V Agios Fanourios (2019)*: Charter party and on-hire survey – mooring and damage issues.

Publications:

- Ship hydrodynamics and the effects in interaction
- Molecular hydrodynamics
- Ship handling and manoeuvring
- Port Management and Operations
- Marine Cargo Management
- Safety Management and ISM Codes

