



**CURRICULUM VITAE**  
**SIMON BURTHEM**

**Contact Details**

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**Qualifications**

B.Eng Marine Tech. (Hons) Small Craft Technology, University of Newcastle-upon-Tyne  
Associate Member of the Royal Institution of Naval Architects (AMRINA)

Welding Inspection and Non-destructive Testing for Engineers, July 2004  
Linear Static and Normal Modes Analysis, November 2004  
Design by Advanced Structural Analysis, November 2008  
BOSIET/HUET, Expires April 2018

**Background & Experience**

**TMC Marine Pte. Ltd.**

Naval Architect, Managing Director (October 2011 – Present)

**TMC (Marine Consultants) Ltd.**

Naval Architect (June 2010 – September 2011)

Provided expert opinion and/or given expert testimony for the following disputes heard in London, Hong Kong & Singapore Arbitration:

- New building dispute concerning backdating of new build contract and due diligence of classification society and flag state in regards to same;
- New building disputes concerning delays to the construction and late delivery of Aframax tankers at a Chinese shipyard;
- New building dispute concerning delays to the construction and late delivery of multipurpose general cargo vessels at a Chinese shipyard;
- New building dispute concerning defective construction details and tank coatings of Kamsarmax bulk carriers at a Chinese shipyard;



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- New building dispute concerning defective construction of offshore support vessels built in Eastern Europe;
  - New building dispute concerning defective construction of general cargo vessels built in China;
  - Limitation of liability based on Net Register Tonnage;
  - Charter party dispute relating to alleged breaches of seaworthiness and cargoworthiness;
  - Charter party dispute relating to allegations of crane failure;
  - Charter party dispute concerning saturation dive system;
  - New building dispute relating to constructional defects and breach of CE certification of motor pleasure yacht;
  - Dispute relating to foundering of CE certified catamaran pleasure craft.

Acted as client representative on behalf of vessel interests, underwriter or charterer during salvage and wreck removal operations:

- Wreck removal of sunken RORO ferry in South Korea;
- Wreck removal of sunken bulk carrier loaded with iron ore cargo in Malacca Straits;
- Salvage of grounded handysize bulk carrier loaded with sulphur cargo;
- Oil & pollutants removal from 70m purse seine fishing vessel in Papua New Guinea;
- Oil & pollutants removal from 68m offshore support vessel in Myanmar;
- Salvage of post-panamax container vessel after catastrophic hull structural failure;
- Salvage/refloat of post-panamax container vessel grounded in river;
- Removal of lost anchors/chain cables from gas field offshore Qatar.

Assisted salvage contractors in preparation of tenders, provided salvage naval architecture services in active salvage operations and prepared expert reports for salvage arbitration:

- Bid for wreck removal of sunken bitumen carrier;
- Bid for refloating of stranded general cargo carrier;
- Wreck removal of sunken timber carrier;
- Salvage of grounded bulk carrier;
- Salvage of fire-damaged chemical tanker;
- Damage survey and salvage dangers opinion for grounded bulk carrier;
- Grounded Timber carrier.

Undertaken casualty investigation, general survey and opinion work:

- Calculation of bollard pull for marine transportation of offshore units;
- Mooring calculations for LNG tankers;
- Analysis of in-port towage/manoeuvring/berthing of newbuild FPSO;
- Analysis of positioning/hook-up of semi-FPS;



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- Marine warranty document review and attendance for barge transport;
  - Damage survey and opinion regarding onward voyage for partially laden bulk carrier with crack in side;
  - Inspection and opinion regarding repair cost of grounded passenger vessel;
  - Inspection and opinion regarding repair cost of floating crane after collision;
  - Inspection and opinion regarding collision damage to jack-up;
  - Investigation and opinion of jack-up leg failure during in-water inspection survey;
  - Investigation of structural failure including hull cracking, loss of sideshell, cargo tank bulkhead collapse and catastrophic hull girder failure;
  - Investigation cargo shift and the subsequent foundering of a timber carrier;
  - Investigation of wind turbine deck cargo loss and cargo stow collapse of containers and non-standardised cargoes, including analysis of forces and lashing loads;
  - Investigation of barge grounding and subsequent constructive total loss;
  - Damage survey and opinion regarding onward voyage for bulk carrier after grounding;
  - Opinion regarding causation of cracking in deck cargo barge;
  - Opinion regarding causation of cracking in chemical tanker SUS bulkhead;
  - Damage and repair survey of vessels following collision;
  - Consider angle of blow and associated structural consequence of collision during STS;
  - Estimate repair cost, prepare of repair specification and evaluate competing tenders;
  - Pre-purchase condition survey including inspection of cargo tanks;
  - Increased hull resistance due to submergence of anchors underway.

American Bureau of Shipping Ltd.

Managing Principal Engineer (June 2008 – May 2010)

Senior Engineer (February 2004 – June 2008)

Engineer (January 2002 – February 2004)

Held a number of increasingly senior positions both in the UK and abroad. Established a new plan approval office in Istanbul.

Involved in most areas of class society review work for both existing vessels and new-buildings. Primarily concerned with hull aspects, but also responsible for directing activities of specialist lifting appliance, offshore and machinery plan approval engineers.



Undertook many statutory reviews on the behalf of government administrations including ship stability, fire safety, load line and tonnage and has carried out equipment type approval to standards including EU MED.

Lead plan approval engineer for construction of following vessel types:

- Super Yachts
- Drill Ship
- FPSO
- Container Carrier
- Jack-up Barge
- Offshore/Dive Support Vessel
- Escort Tug/AHTS
- Submersible Load out Barge
- High Speed Craft
- CSR Bulk Carrier
- Chemical Carrier
- Small Coastal Tanker
- General Cargo Ship
- Cruise Ship/Passenger Vessel
- Fast Rescue Craft
- Pontoon Barge

Represented ABS on the SafeTug II Joint Industry Project and participated in industry conferences and trade shows on the Bureau's behalf.

Vosper Thornycroft (UK) Ltd.

Naval Architect (April 2001 – January 2002)

Royal Navy S4 Survey Vessel Integrated Project Team. Full ship safety case compliant with JSP 430. Conducted HAZOP and HAZID analyses using a variety of techniques e.g. FMEA in order to develop and maintain a hazard log.

Cammell Laird Technical Services

Naval Architect (September 1999 – March 2001)

Employed within the design office and secondment to production department. Structural and arrangement design of passenger vessels and jack-up for compliance with applicable class rules, regulations and specification. Author of technical specifications for procurement of ship's safety equipment.

Secondment to production department during repairs to RO-RO ferry vehicle deck using sandwich plate system.