



### Contact Details

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### Employment

2025 – Date TMC Marine – Consultant Naval Architect  
2007 – 2025 TMC Marine – Senior Naval Architect (Director 2009)  
1998 – 2007 Brookes Bell – naval architect (Associate 2003)  
1989 – 1998 Lloyd's Register of Shipping – ship surveyor  
1988 – 1989 Earl & Wright – junior naval architect

### Class Surveyor (1989-1998)

After initial training for plan approval training, based in the following outport offices as a field surveyor: Liverpool (1989), La Spezia (1990-1991), Southampton (1991-1992) and Istanbul (1993-1998).

*Class Existing Vessel experience* – responsible for scheduled and unscheduled Class surveys on most vessel types: Bulk Carriers, Oil tankers, Chemical Tankers, General Cargo, Multi-Purpose vessels, Container, Ro-Ro Pax/Cargo, Cruise ships, Cable layers, Tugs, High Speed Craft, Superyachts and Small Craft. Carrying out the following survey types, including certification and reporting:

#### Class surveys:

- Annual Hull
- Condition of Class
- Continuous Survey Hull
- Docking Survey
- Hull (Alterations, Damage, Repairs and miscellaneous)
- Intermediate Special Survey
- In-Water Survey
- Special Survey
- Transfer of Class
- Lifting Appliances (Annual/Quadrennial certification, Damage surveys)

#### Statutory surveys:

- Marpol Oil (Annual, Intermediate and Renewal surveys)
- Load Line (Periodical Inspection, Renewal and miscellaneous surveys)
- SAFCON (Misc., Annual, Intermediate and Renewal surveys)
- Tonnage (miscellaneous surveys)

*Class Newbuilding experience* – supervision of various vessel types, including LPG Tanker, Chemical Tanker, Reefer, Multi-Purpose, Heavy-Lift, Tugs, High Speed Craft, Superyachts

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and Small Craft. Carrying out the following surveys and inspections, including certification and reporting:

Class:

- Hull new construction: Steel ships
- Hull new construction: FRP/GRP and Aluminium superyachts
- Machinery new construction/Installation
- Plan Approval review
- 'As-Built' Plan amendments
- Attendance at makers works for forgings, castings & minor components
- Steel test-house attendance for material certification
- Qualification of welders and weld procedures

Statutory:

- Marpol Oil
- Load Line
- SAFCON
- Tonnage

**Technical Consultant (1998-present)**

Areas of expert witness and related surveying skills:

- Root Case Analysis
- Total loss, Grounding/Stranding, Collision
- New-building Disputes
- Class Rules & Regulations
- Statutory compliance
- Ship structural strength
- Ship stability
- Hull condition surveys
- Hull damage inspections
- Salvage & Wreck removal
- Invitations to Tender (ITT) and Bid Reviews

*Survey Attendances & Investigations, case examples:*

ALBION TWO (1999), France – bulk carrier, total loss  
VOLCAN DE TAURO (2000), Italy – HSC ferry, new-build dispute  
UMFOLOZI (2006), Namibia – multi-purpose vessel, collision survey  
SEA DIAMOND (2007), Greece – cruise ship, total loss  
HANJIN ELIZABETH (2008), Panama – container ship, structural damage survey  
KOTA LAGU (2010), Belgium – container ship, grounding  
FIDELIO (2011), Israel – Ro-Ro vessel, cargo shift  
VINALINES QUEEN (2012), Indonesia – bulk carrier, cargo liquefaction

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ANNA BO (2015), Indonesia – bulk carrier, cargo liquefaction  
ASIAN EMPIRE (2016), Pacific – vehicle carrier, fire damage  
MSC ZOE (2019), Bremerhaven – container ship, stow collapse  
DBCT (2020), Australia – barge, mooring failure  
GO REGULUS (2021), South Africa – drydock, caisson failure

*Arbitration & High Court, cases examples:*

SOUTHERN AMELIA II (2000), Singapore – MPV, salvage dangers (Arbitration)  
BREMEN (2002), UK – research vessel, capsize (Arbitration)  
TRIDENT (2003-2011), UK – fishing vessel, Govt. Formal Investigation (High Court)  
TASMAN PIONEER (2007), New Zealand – general cargo ship, salvage (High Court)  
FOWAIRET (2007), Belgium – container ship, salvage dangers (Arbitration)  
BRAILA SHIPYARD (2009), Romania – supply vessels, new-build dispute (Arbitration)  
SOCOL III (2009), Baltic Sea – timber carrier, cargo shift (Arbitration)  
ROWAN (2010), USA – tanker, structural failure (High Court)  
ALINA II (2013), South Africa – bulk carrier, grounding (Arbitration)  
GRUMANT (2017), North Sea – bulk carrier, anchor loss (Arbitration)  
CV STEALTH (2021), Trinidad & Tobago – oil tanker, lay-up condition (Arbitration)  
GLORIA CONFIDENCE (2023), Netherlands – bulk carrier, flooding (High Court)

*Salvage & Wreck Removal, case examples:*

NORTHERN HORIZON (2000), UK – research vessel, capsize (salvage)  
IEVOLI SUN (2001), Channel Is. – chemical tanker, total loss (cargo removal)  
TRICOLOR (2003), Belgium – vehicle carrier, total loss (wreck removal)  
FOWAIRET (2005), Belgium – container ship, catastrophic hull failure (salvage)  
MSC NAPOLI (2007), UK – container ship, total loss (wreck removal)  
PACIFIC ALLIANCE (2008), Singapore – tanker, grounding (cargo removal)  
MSC ANTARES (2009), Brazil – container ship, grounding (salvage)  
NOBLE HAWK (2010), Indonesia – bulk carrier, grounding (salvage)  
PACIFIC CARRIER (2011), South Korea – bulk carrier, collision (salvage)  
RENA (2011-2013), New Zealand – container ship, grounding (wreck removal)  
FLASH (2012), Tunisia – bulk carrier, grounding (salvage)  
MED PACIFIC (2012), Turkey – chemical tanker, aborted launch (salvage)  
MARITIME MAISIE (2014), South Korea – chemical tanker, collision (salvage)  
SEWOL (2014-2017), South Korea – passenger ferry, total loss (wreck removal)  
CSCL JUPITER (2017), Antwerp – container ship, grounding (salvage)  
KEA TRADER (2017-2019), New Caledonia – container ship, grounding (salvage)  
NARLUNEQ (2019), Greenland – stern trawler, grounding (wreck removal)  
TAMANGO (2021-2022), Norway – fishing vessel, total loss (wreck removal)  
SERENIN (2023), Spain – fishing vessel, total loss (wreck removal)  
MAREN (2023), Turkey – container ship, grounding (cargo removal)

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**Arbitration & High Court References**

FOWAIRET (2007), Belgium – container ship, salvage dangers (Arbitration)

BRAILA SHIPYARD (2009), Romania – supply vessels, new-build dispute (Arbitration)

SOCOL III (2009), Baltic Sea – timber carrier, cargo shift (Arbitration)

ALINA II (2013), South Africa – bulk carrier, grounding (Arbitration)

CV STEALTH (2021), Trinidad & Tobago – oil tanker, lay-up condition (Arbitration)

**Qualifications/Affiliations**

HND Naval Architecture & Shipbuilding, 1985

MBTT prize, 1984-1985

BEng. Hons (1<sup>st</sup> class), Naval Architecture & Shipbuilding, 1988

Swan Hunter prize, 1987

Member of Royal Institution of Naval Architects (MRINA)

Member of Society of Marine Engineers & Naval Architects (MSNAME)