

PROFESSIONAL HISTORY

2006 – Current

Managing Director, Manta Maritime

- Providing advice to owners, builders, designers, operators and crew on all aspects of regulatory compliance including Class and MCA/LY2.
- Acting as owner's representative for new-building, refit and conversion projects.
- Organizing inclining experiments and preparing stability manuals.
- Performing fabrication inspections.
- Performing risk assessments.
- Providing bespoke Mini ISM, ISM and ISPS systems both for yachts and management companies.
- Assisting with preparing for formal Class and Flag audits and surveys.
- Preparing *Flag News*, and monthly e-newsletter summarising the information issued by Flag Administrations.

Manta Maritime Limited is a consulting company to the luxury yachting industry. Having originally been created to assist the industry with regulatory compliance, due to demand the company's services have now diversified into many other areas of technical and administrative consulting and management.

2002 – 2006

Lead Surveyor, Cayman Islands Shipping Registry

- Managing the CISR's yachting industry clients in North, Central and South America and the Caribbean, and developing further business in these geographical regions.
- Conducting statutory surveys on many types of ships, primarily large yachts but also dry cargo ships, oil and chemical tankers, bulk carriers, refrigerated cargo vessels and tugs.
- Conducting audits required by the ISM and ISPS Codes on the aforementioned vessel types.
- Project managing for regulatory purposes most of the superyachts being built in the United States, including plan appraisal and surveys whilst under construction of steel, aluminium and composite yachts from 30 to 80 metres in length.
- Conducting statutory surveys against the above Codes and the aforementioned international shipping conventions on existing charter yachts from 20 metres to over 120 metres in length.

The CISR is a Category 1 British Register and whilst being a highly prestigious flag for any ship type of any tonnage, it is best known as the World's largest superyacht register with by far the greatest number of yachts in excess of 30 metres in length.

2001

Consultant Engineer, Trident Offshore Limited

- Leading the design team of a novel offshore catenary anchor-legged mooring (CALM) buoy for the use of oil tankers in deep water moorings. Conventional CALM buoys are of a simple heavy construction and relatively immovable, so Trident's TriCALM buoy (patent pending) uses a complex space-frame structure with modular buoyancy compartments. In order to minimise the weight for both transportation and initial construction costs the structure was optimised, requiring highly-complex structural analyses and stability calculations.
- Assisting colleagues and clients with structural analyses and stability calculations for the moving of specialised equipment to and from the numerous oil fields and associated facilities in the North Sea.
- Conducting 'Condition' and 'On/Off Hire' surveys against the OCIMF criteria of numerous types of offshore support vessels operating out of Aberdeen to the facilities in the North Sea.

Trident Offshore Limited is a support company offering a wide variety of services to the world's offshore industry, but specializes in structural engineering, naval architecture and organizing the moving of mobile offshore structures.

1996 - 2001

Ship Surveyor, Lloyd's Register

- Classification and statutory surveys and inspections on many types of existing ships, primarily passenger ships, container ships, oil and chemical tankers, naval ro-ro vessels, coastal vessels, yachts and tugs.
- Classification and statutory new building surveys on a wide range of small vessels fabricated from steel, aluminium and glass-reinforced plastics (GRP).
- Classification surveys on naval vessels, primarily Type 23 Frigates for retrospective entry into Class, and structural surveys on behalf of the UK's Ministry of Defence on most types of naval vessels in accordance with their own Standards.

Lloyd's Register is one of the World's largest Classification Societies, setting standards of quality and reliability during the design, construction and operation of ships.

PROFESSIONAL MEMBERSHIPS

A Chartered Engineer (CEng) and a Member of the Royal Institution of Naval Architects (MRINA).