

HASSAN PAKROO
CONSULTANT

First Class Certificate of Competency

Post-graduate Certificate in Management

Chartered Engineer (Engineering Council)

Member of Institute of Marine Engineering, Science & Technology (MIMarEST)

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CAREER HISTORY

June 2019	Octant Marine Limited, UK Marine Engineer Consultant
2017 – 2019	Independent Marine Consultant
2016 to 2017	Solis Marine Consultants, UK Marine Engineer Consultant
2010 to 2016	Cwaves Limited Marine Engineer Consultant
1991 to 2010	Lloyds' Register - Senior Consultant/Surveyor
1975 to 1991	Iran Shipping Lines (IRISL) - Seagoing Marine Engineer - Chief Engineer

PROFESSIONAL EXPERIENCE

Ship Operations Extensive operational and maintenance and design review experience in all aspects of marine machinery systems such Diesel Engines, HVAC, Electrical power production and distribution, Firefighting and prevention, Main and

Emergency power production and Steam generation, air conditioning and refrigeration systems.

Expert Witness	Produced expert opinion and reports for litigation in a variety of cases covering failures of main engine, generators, cargo cranes and unloaders; vessel performance, hull damage, grounding and bunker disputes.
Classification	Extensive knowledge of Classification Society rules, requirements and application.
Repairs/Drydocking	Extensive experience supervising, dry-dockings and ship repairs, including compiling repair specifications and costs.
Ship Inspections	Undertaken numerous surveys of shipboard machinery (HVAC, electrical, fire-fighting, emergency power and steam) and hull on a wide variety of vessel types on behalf of the Owners and the Charterers. The surveys were carried out on all types of Lifting & handling equipment and machinery, overhead and gantry cranes, pressure vessels, air conditioning, refrigeration, engines and auxiliary equipment.
Failure Investigation	Machinery and systems failure investigator representing the P&I Clubs, Insurance companies, Shipowners and the Charterers.
Ship Maintenance	Development of planned maintenance management optimisation tools and systems to deliver cost effective and reliable maintenance for owners. Carried out maintenance optimisation audits on different company fleets and provided the Owners with an up to date maintenance methods and techniques such as identification of critical equipment based on the company policies and internal operational cultures. Carried out FMEA analysis and facilitation as part of maintenance improvements.
Energy Efficiency	Ship energy efficiency and management consultant to ship owners/operators.