SOLIS MARINE

CURRICULUM VITAE

DUNCAN CAMPBELL MENG, CENG, MRINA
DIRECTOR OF NAVAL ARCHITECTURE & UK GENERAL MANAGER, AIS AND VDR ANALYST

University of Strathclyde & University of Glasgow, Master of Engineering in Naval Architecture and Marine Engineering with merit 2009

Member of Royal Institution of Naval Architects 2016

Chartered Engineer (UK) 2017

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EMPLOYMENT HISTORY

2017 to Present — Solis Marine
Director of Naval Architecture & UK General Manager,
AIS and VDR Analyst

Duncan leads the development of Solis Marine's naval architecture services and AIS and VDR analysis service. He provides consultancy and survey services to marine and offshore clients focussing on hydrostatic stability and strength analyses, salvage naval architecture, all types of survey and inspection, construction issues, casualty management and project risk management.

Casualty investigation and expert witness work has included the provision of expert advice on strength and stability issues caused by collisions, groundings, fire and flooding, investigation of container loss, construction dispute issues and initial survey and damage assessment following an incident.

Salvage naval architecture has included review of salvage plans, calculations and assisting salvors in bid preparations.

Duncan also has extensive experience in the analysis of electronic navigation data, typically AIS and VDR data, to provide visual representations of vessel movements for use in the analysis of collisions and groundings, casualty and traffic analyses.

He has provided written and oral evidence in court proceedings with regards to the extraction and analysis, plotting and animation of AIS and VDR data as well as on construction issues.

2014 to 2017 ABS Europe Ltd., United Kingdom
Surveyor

Single station surveyor carrying out surveys on various types of vessels and offshore units within an assigned area covering the southeast of the United Kingdom and Ireland. Survey types included class and statutory annual, intermediate and renewal surveys including internal tank inspections, damage surveys, drydock surveys and various types of occasional surveys. Ship types surveyed included container ships, passenger ferries, bulk carrier, offshore vessels and units and tankers. In addition to vessel surveys Duncan carried out the certification of various types of equipment prior to installation on ABS classed vessels and manufacturing assessment audits for equipment covered under the type-approval program of ABS.

2013 to 2014 Braemar Engineering Ltd., United Kingdom
Naval Architect

Naval Architect working on multiple projects which included plan approval and model test attendance for a series of LNG vessels to be built at multiple Korean yards, development of a new LNG containment system, specification review of various types of vessels, creation of a high-level specification for a novel vessel design for initial yard tender, feasibility studies for LNG and oil projects as well as other small projects.

2010 to 2013 Anglo Eastern UK Ltd., United Kingdom
Naval Architect

Naval architect working in the technical services department of a global ship management company. Duncan’s duties included providing third party services to the managed fleet and working directly with ship owners, superintendents, repair facilities, ship staff and various contractors. Duncan was involved in a variety of projects including structural and coating integrity surveys, repair specification writing, on site supervision of repairs and modifications to both structure and coatings, new build plan approval and supervision, structural design including local FEM analysis, stability calculations, CAD draughting of repairs and modifications, conversion project management and lightship surveys. This was across a variety of vessel types including bulk carriers, container ships, LNG vessels, product carriers and semi-submersible heavy lift ships.

2009 to 2010 Huisman Equipment, The Netherlands
Jr. Naval Architect

Jr. naval architect involved with concept design of ships and integration of the specialised marine equipment that Huisman Equipment design and manufacture into the ships. This included intact and damage stability calculations, midship strength analysis, GA creation, and specification writing for various vessel types including heavy lift ships, pipelay vessels, drillships, semi-submersible drilling units and a novel wind turbine installation vessel.