

LIEW JUN HAO BENG, AMRINA
NAVAL ARCHITECT

Singapore Institute of Technology and Newcastle University, Bachelor of Engineering (Hons) Naval Architecture 2020

Associate Member of Royal Institution of Naval Architects 2017

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Solis Marine Consultants, 20 McCallum Street, 19-01 Tokio Marine Centre, Singapore 069046

EMPLOYMENT HISTORY

2021 to Present Solis Marine Consultants, Singapore
Naval Architect

Naval architect at Solis Marine Consultants providing engineering and analysis services for shipping incident investigations. His work consists of providing support to Solis Marine's master mariners for their expert reports and incident investigations, specifically working on cargo stowage, lashing arrangements, and 2D plotting using AutoCAD for visual representation for further analysis.

His recent work includes damage investigations in container and container lashing system, reconstruction of the damaged bay and lashing bridge on a container ship in 2D, analyses of container lashing forces, and 2D plots of vessels' tracks using AIS data.

2019 to 2020 DNV GL, Singapore
Structural Engineer Intern

In fulfilment of the partial requirements for his university studies, Jun Hao worked as an intern in the structural department in Singapore Approval centre, DNV GL. His duties included assisting structural engineers with the verification and classification of vessels, structural strength and fatigue calculations using software like Sesam's GeniE and



Nauticus Hull, modelling of structures in 3D using GeniE. While his work mainly involved tankers, he was also tasked with a gap analysis between the Brazilian Regulatory Standards and DNV GL classification rules.

In addition to the internship programme, Jun Hao's final year project involved a structural analysis on the optimum hull form for the offshore Ocean Thermal Energy Conversion (OTEC) systems, where he conducted strength and FEM analysis using Sesam's GeniE provided by DNV GL. His dissertation was awarded the RINA and BAE systems award for the best final year project.

2018 to 2018

Sembcorp Marine Ltd., Singapore

Design Engineer Intern

Jun Hao was an intern attached to the engineering design department in Sembcorp Marine, where he conducted midship strength calculations and analysis for a conversion project. He was also tasked to design hanger decks and helidecks for a military vessel to house military tanks, vehicles, and aircrafts.