

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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Jun Hao is a 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.

During his studies at university, Jun Hao had internship experience with Sembcorp Marine and DNV GL. At Sembcorp Marine he was attached to the engineering design department, where he conducted midship strength calculations and analysis for a conversion project, involving military vehicles. He was also tasked to design hanger decks and helidecks for the same vessel to house military tanks, vehicles, and aircrafts. In his second year of study, he was attached to the structural department (Singapore Approval Centre) in DNV GL, where he assisted in the verification and classification of several vessels. Using software like Sesam's GeniE and Nauticus Hull, his work included structural strength and fatigue calculations, modelling of structures in 3D and FEM analysis of the structure, ultimately providing a validation of the vessel's accordance to DNV GL classification standards. His final task in DNV GL was a gap analysis between Brazilian Regulatory Standards and DNV GL classification rules, to provide a middle ground for a vessel operating in Brazilian waters under DNV GL's certification.

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.



### EMPLOYMENT HISTORY

2021 to present	Solis Marine Consultants Pte. Ltd., Singapore Naval Architect
2019 to 2020	DNV GL, Singapore Structural Engineer Intern
2018 to 2018	Sembcorp Marine Ltd., Singapore Design Engineer Intern
2014 to 2014	Power Diesel Engineering Pte. Ltd, Singapore Assistant Engineer Intern