

ANDREW LING KWAN YUEN 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

2022 to Present Solis Marine Consultants, Singapore
Naval Architect

As naval architect at Solis Marine Consultants, Andrew provides 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, vessel damage estimates and marine incident reconstruction.

His recent work includes investigations into failures in container lashing systems, stowage plan weight and force calculations, hull damage estimates from collisions and marine incident reconstruction with 2D plots of vessel tracks derived from AIS and VDR data. He has also attended onsite for marine warranty surveys, suitability surveys and damage surveys on board vessels.

2021 to 2022 Maritime Energy and Sustainability Development Centre, Nanyang Technological University, Singapore
Research Engineer

Andrew was involved in the centre's study into the feasibility of biofuels for harbour crafts in Singapore. As a research engineer, he participated in biofuel sea trials together with the centre's engineers. He was tasked with maintaining the functionality and accuracy of the various sensors fitted onboard the test vessel.



During sea trials, he ensured that the data being recorded by the sensors were reliable and compiled them for further analysis.

2020 to 2021

Keppel Shipyard Ltd., Singapore
Production Engineer, SG United Traineeship Scheme

Andrew joined Keppel Shipyard under a traineeship scheme programme initiated by the Singapore government. During the nine-month long traineeship, he was attached to the hull section in the yard's production department. His traineeship included a tour of the various works done in the hull department, ranging from steel plate fabrication and fitting works to manpower scheduling and project management.

2019 to 2020

PaxOcean Shipyards Ltd., Singapore
Assistant Hull Engineer, Intern

As part of his university industrial experience requirements, Andrew worked as an intern in the hull department at PaxOcean Shipyards, where he was responsible for designing various deck outfittings for vessels and drafting drawings using AutoCAD for the production department. He was also tasked to survey the works done onsite to ensure compliance with the requirements of the hull department.

Additionally, during his internship at PaxOcean, Andrew also led a team of students to design a RoPAX ferry concept for the 2019 International Student Design Competition for a Safe and Affordable Ferry organised by the World Ferry Safety Association (WFSA). Design and modelling work was carried out using MaxSurf with advice and help from his work supervisors and lecturers. His team's design managed to clinch the 3rd prize in the competition, being showcased at the 2020 WFSA Conference.