RINA
THE ROYAL INSTITUTION
OF NAVAL ARCHITECTS
NEW SOUTH WALES SECTION

IMAREST
The Institute of Marine Engineering, Science and Technology
Sydney Branch

RINA/IMarEST Technical Presentation

The Propulsion Energy Transition for High Speed and Light Craft

Speaker: Adam Williams, Plan Approval Group Leader
Jonathan Abrahams, Head of Maritime Advisory
DNV GL

Date Wednesday 4 September 2019

Venue: Harricks Auditorium
Engineers Australia
8 Thomas St
Chatswood

Refreshments: 6:00 pm

Presentation: 6:30 pm

There are many new developments in marine propulsion energy. DNV GL is leading the charge in supporting research, development and application to ships and—of particular interest to the Australian industry—to High Speed and Light Craft (HSLC).

The global maritime market is being driven towards significant reduction in greenhouse gas (GHG) emissions, with IMO targeting for shipping to reduce GHG emissions by at least 50% of 2008 levels by 2050. This target will need to be addressed by all shipping segments, and Australia's significant contribution to the high-speed and light-craft vessels of the world can be part of the solution. This will require energy-efficient measures and the uptake of fuels with high GHG-reduction potential and/or propulsion systems which make use of batteries and hybrid installations.

There are many challenges to be addressed for such measures, and how these are tackled will fundamentally change how HSLC vessels are designed, operated, and fuelled.

This presentation will discuss some of the new technologies, and how DNV GL is helping customers and the world achieve these goals.