



Centre for Offshore Research  
and Engineering  
Faculty of Engineering

## Technical Talk

Organised by

The Society of Naval Architects and Marine Engineers Singapore (SNAMES)

The Joint Branch of the RINA and the IMarEST (Singapore)

Centre for Offshore Research & Engineering (CORE), NUS

### Energy Transition Outlook to 2050 and the impacts on the maritime and offshore sectors



by

**James Laybourn**

**Head of Department, Offshore & Marine Services, DNV GL**

**Date :** 27<sup>th</sup> Feb 2018, Tuesday

**Time :** 6:30 pm to 7:00 pm Registration & Refreshment  
Talk begins at 7:00 p.m. and ends at 8.00 p.m.

**Venue:** LT18A, Singapore Polytechnic  
500 Dover Rd, 139651

To register your attendance, please click the web-link as follows,



<https://www.eventbrite.sg/e/technical-talk-energy-transition-outlook-to-2050-and-the-impacts-on-the-maritime-and-offshore-tickets-43306845942>



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## Abstract

There are two areas that underpin the global economy as we know it – energy and shipping. Energy, which determines how we power the industries that create the goods and services of the modern world, and shipping that allows us to move both the raw materials and the finished products to where we need them.

To provide a clear and balanced view of our energy future, DNV GL has created an Energy Transition Outlook (<https://eto.dnvgl.com/2017>), which models the energy transition through to 2050. We have taken a model for the expected shifts in energy demand and projected it onto the maritime and offshore industries of today to forecast how these shifts in energy production and demand will impact these industries?

Taking into account the uncertainties of looking into the future, this presentation will cover the key drivers of the global outlook, how this will impact on a more local level, as well as the key highlights in the two focus industries.

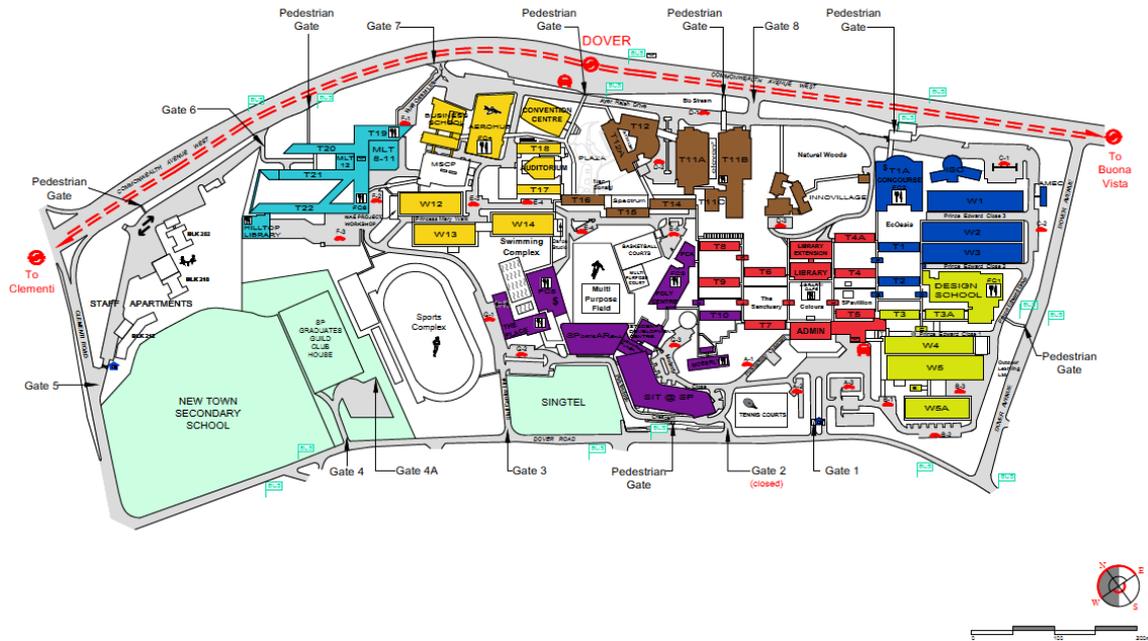
## About the Speaker

Mr. James Laybourn is the Head of Department for DNV GL's Offshore & Marine Services, based in Singapore. He first joined DNV GL (at that time Noble Denton) in London in August 2002, and has since held a range of technical or managerial positions within DNV GL in Singapore, Malaysia and Australia.

Until recently, James was responsible for driving the offshore floating systems and upstream/midstream gas segments in South East Asia and Australia, with a recent focus on the gas-to-power market.

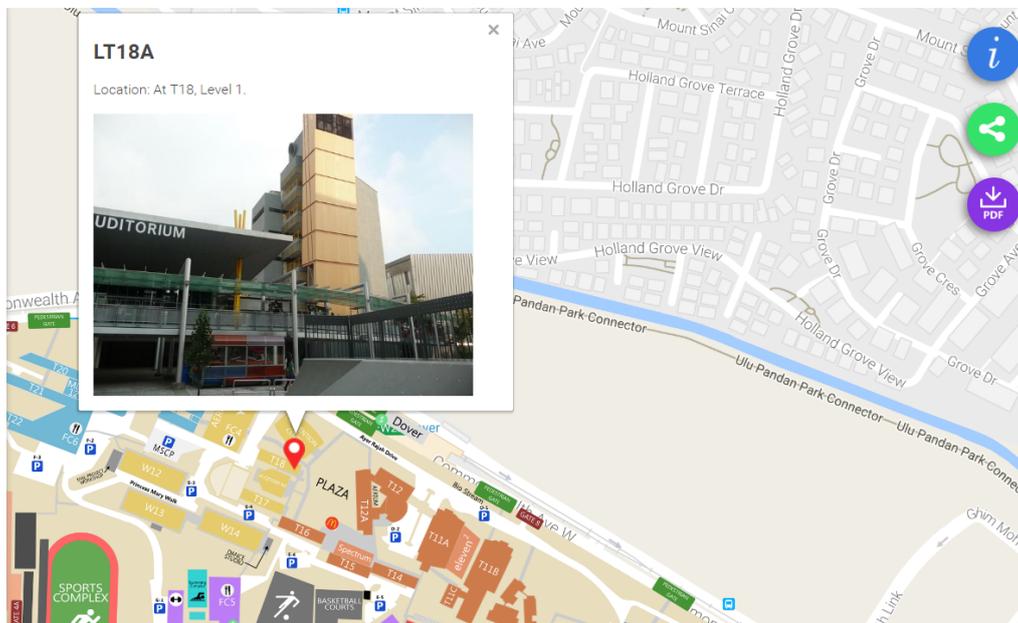
James is a Chartered Engineer and holds a Master of Engineering from the University of Cambridge and is currently undertaking a Master of Science in Business Analytics from NUS.

## Location Map



**SINGAPORE POLYTECHNIC CAMPUS**  
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-  Guard House
-  Carpark
-  Taxi Stand
-  Bus Stop
-  Food Court / Cafe
-  ATM



**All members are welcome and admission is free  
but early registration is needed.**  
**No filming or walk-in guest is allowed for this event.**  
**Photos taken by official photographers may be used by the organizers in their publication  
material**