



Technical Talk

Co-Organised by

The Joint Branch of the RINA and IMarEST (Singapore)

The Society of Naval Architects and Marine Engineers Singapore

Singapore Polytechnic

Regulatory Aspects of FSRU New Build and Conversion Projects



By

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Bureau Veritas

Date : 23rd April 2019, Tuesday.

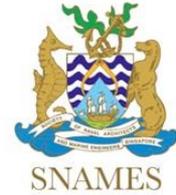
Time : 6:30 pm to 7:00 pm Registration & Refreshment
The talk begins at 7:00 pm and ends at 8:30 pm

Venue: LT6, Block T6 (Main Library), Singapore Polytechnic
500 Dover Rd, 139651

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



<https://www.eventbrite.sg/e/regulatory-aspects-of-fsru-new-build-and-conversion-projects-tickets-60369017356>



Synopsis

FSRU stands for Floating Storage and Regasification Unit. This type of floating unit is stationary, receives LNG from a supplier, stores the LNG on board and provides means to regasify the LNG to gas to be sent onshore. In turn, this gas is piped in the gas network or to be used in a power plant or an industrial consumer. The LNG can also be re-offloaded for other purposes (bunkering for instance).

An approximate number of 30 units are currently in operation, and more are considered globally. This solution provides a means of access to the gas market to new customers and new countries and carries its specific advantages (and disadvantages) compared to land-based solutions. Each FSRU project comes with its specific requirements and constraints: location, storage size, regasification output, duration of stay, required availability of the terminal, exposure to environmental conditions, budget and timeline, expected the duration of the time charter/ownership, to name some of them.

These requirements need to be studied well in advance at the early stages of development of the project, in particular when considering the regulatory aspects: the requirements from the local authorities, the coastal state, the flag state, and the classification society that will all have an impact on the chosen solutions. This is even more acute when the FSRU project is considering the conversion of an existing LNG carrier for the project.

This talk will discourse on the various regulatory aspects of an FSRU project from a marine safety perspective and with emphasis as related to the Flag State regulations. An overview of the typical equipment on board an FSRU will be presented and a number of the FSRU projects worldwide and commonalities will be examined. New build and conversion project requirements will be included with a focus on how to fulfil and dovetail them with the regulatory requirements.

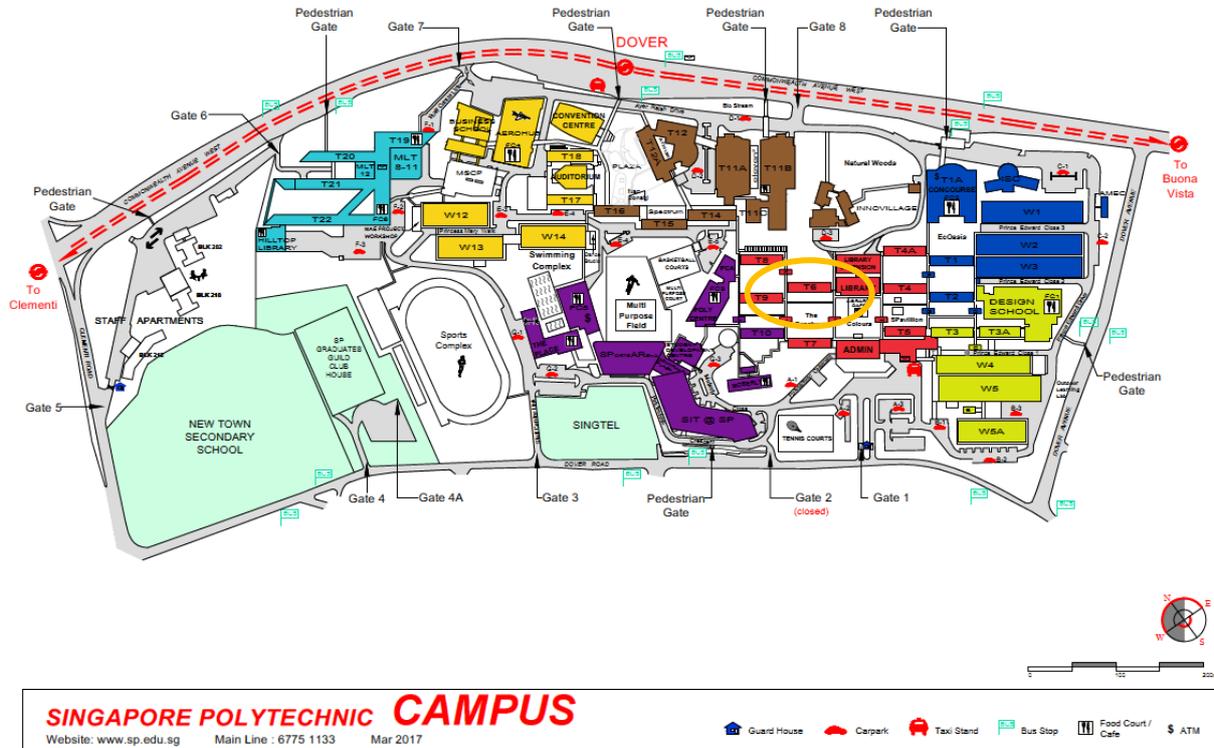
About the Speaker

Julien Boulland holds the position of LNG specialist within Bureau Veritas Marine & Offshore Singapore (South Asia Oil & Gas Centre).

He joined Bureau Veritas 13 years ago, spending 6 years in the head office in Paris, France then 7 years in the South Asia region. Julien Boulland is a naval architect and holds an MSc. in Maritime Engineering Science from the University of Southampton, the UK, and an MSc. in Engineering from the University of Lorraine, France (Mines de Nancy).

For the past four years, his work focuses on Liquefied Natural Gas (LNG) in maritime and relates to Regulatory Compliance, Classification Compliance, Risk Analysis and Innovation. His works include the delivery of technical workshops to shipowners and shipyards on technical aspects and Code compliance (LNG as a Cargo (IMO IGC Code), LNG as a Fuel (IMO IGF Code), FSRU Design and Operations), Approval-in-Principle of LNG new designs (LNG Bunkering Ships, LNG Power Barges and FSRU), HAZID and HAZOP of FSRU and LNG-fuelled ships, Technical Advisory for FSRU projects, Conversion of an LNG carrier to FSRU, Conversion of an LNG carrier to FSU, Survey of LNG / LPG vessels, Risk Analysis of LNG export terminal, Risk Analysis of LNG bunkering Operations, and Development of Safe LNG Bunkering Operations. He is also participating in the development of the Singapore Technical Reference on LNG Bunkering and is a regular speaker on LNG related topics in public conferences and forums.

Location Map



Nearest MRT Station: Dover (Green Line).
Bus 14, 74, 105, 106, 147, 166, 185.
Closest Bus Stops in Commonwealth Ave W: Dover Stn.
Follow the pathway to the Main Library (Block T6).

All members are welcome and admission is free, but early registration is necessary.
No filming or walk-in guest is allowed for this event.
Dress code: business casual.
Photos taken by official photographers may be used by the organizers in their published material.