



## MARITIME

# RISK ASSESSMENT: LNG SYSTEM AND COMPONENTS, INCLUDING BUNKERING

DNV GL offers risk assessment services for LNG-fuelled ships as part of our LNG Ready service portfolio and in line with class society and flag state authority requirements.

## Risk assessment

DNV GL facilitates risk assessment for the LNG-fuelled ship, systems and components according to IMO Resolution MSC.285(86) Interim Guidelines and class rules.



Our approach includes the following:

**HAZID:** The objective of HAZID is to identify main hazards, to review the effectiveness of selected safety measures and, where required, to expand the safety measures in order to achieve a tolerable residual risk.

**FMEA studies:** FMEA is performed based on the detailed design, taking into account external influences of the port operation acting on the operation and the bunkering of the gas-fuelled vessel.

