



MARITIME

NAVIGATIONAL RISK ASSESSMENT

We help identify and quantify the risk of nautical operations using conventional risk assessment techniques and specialised DNV GL nautical risk assessment tools. Our aim is to help you plan port extensions, gain insights into the risk associated with new dangerous goods or passenger terminals, and provide the basis for emergency and contingency planning.

Our approach

Together with you, we define the scope of the assessment, depending on the objective of the study:

- To identify navigational limitations to port operations from planned assets or infrastructures
- To improve traffic routing and control
- To improve port emergency planning and response

DNV GL uses tools in these studies for modelling ship traffic as vessel routes in port areas or approaches, including vessel density, dimensions, cargo and speed. These tools provide quantified risk results in the form of probability for grounding and collision at different locations in the waters. Together with consequence assessment, this forms the risk for accidents and spills at different places in the waters.

Our expertise

DNV GL has performed a broad range of nautical risk analyses for port and terminal operators, national and (coastal) regional authorities, platform owners and operators of offshore wind parks.

Your benefits

A nautical risk assessment from DNV GL provides you with independent and objective information based on assessed risks, which then allows you to:

- Take justified decisions based on space or investment constraints
- Develop risk-based emergency and response plans
- Define traffic routing and control schemes