



## MARITIME

# FIRE SAFETY AND EVACUATION

Passenger safety is an increasingly important criterion in designing and operating ships. It is not just a basic human need but also an issue of economic significance.

### Fire safety analysis

An exhaustive analysis covering fire and smoke propagation, escape route usability and the effect of fire on the structures. DNV GL carries out software simulation (zone and CFD) of potential scenarios to understand their effects and suggest stronger measures for improving fire safety performance.

### Evacuation analysis

State-of-the-art DNV GL AENEAS software performs evacuation analyses in compliance with IMO MSC.1/Circ. 1238 for yards, operators and authorities. The tool is certified by the German flag administration BG-Verkehr.

AENEAS allows you to analyse the evacuation performance at any phase within the design process throughout the ship's life cycle. It also is cap-able of analysing highly complex scenarios in addition to those prescribed by the IMO.



### Equivalence analysis

- Safety
- Fire zones
- Life-saving appliances