

**DNV****MANAGING RISK**

## CLEAN-DESIGN



Class notation that reduces a ship's environmental impact due to air emissions, sea discharges and accidental damage to the ship's hull

### **Purpose**

The CLEAN-DESIGN notation requirements are intended to reduce and limit the ship's air emissions and sea pollution. In addition, the CLEAN-DESIGN notation stipulates defensive design, accident prevention and consequence limitation requirements, thus providing additional environmental protection.

The image of the individual ship owner and operator will clearly improve with customers and authorities, since the notation demonstrates that the company's policy is to be environmentally proactive in order to prevent accidental pollution too.

### **Benefits**

For Owners interested in promoting an environmental profile, the notation confirms a higher environmental standard. By adopting the CLEAN-DESIGN notation, the owner clearly demonstrates that it has acted to limit emissions and operational and accidental pollution by taking proactive steps and responsibility.

### **Features**

The CLEAN-DESIGN notation stipulates requirements for controlling and limiting operational emissions and discharges. These requirements cover the most important environmental aspects:

- Fuel tanks' protection from grounding damage
- Handling of sewage and garbage
- Handling of ballast water
- Handling of fuel oil
- Environmentally friendly antifouling
- Combustion machinery emissions (NO<sub>x</sub> and SO<sub>x</sub>)
- Use of refrigerants
- Green Passport Inventory for recycling the ship

The notation also stipulates requirements for controlling and limiting operational emissions and discharges covered by the class notation CLEAN.