SAFER, SMARTER, GREENER

DNV GL

Driven by our purpose of safeguarding life, property and the environment, DNV GL enables organizations to advance the safety and sustainability of their business. We provide classification and technical assurance along with software and independent expert advisory services to the maritime, oil and gas, and energy industries. We also provide certification services to customers across a wide range of industries.

Combining leading technical and operational expertise, risk methodology and in-depth industry knowledge, we empower our customers’ decisions and actions with trust and confidence. We continuously invest in research and collaborative innovation to provide customers and society with operational and technological foresight. With our origins stretching back to 1864, our reach today is global. Operating in more than 100 countries, our 16,000 professionals are dedicated to helping customers make the world safer, smarter and greener.

MARITIME

EMERGENCY RESPONSE SERVICE (ERS™)
Emergency situations strike unexpectedly and prevent the vessel from completing the voyage and delivering its cargo. The crew and the environment can be exposed to high risk and the vessel’s schedule can be disrupted. The shipowners and managers are also exposed to potentially large claims. ERSTM supports and enables quick actions to mitigate the effect of the incident.

The ERSTM service enables shipowners to be preparedly enrolling their ships into the ERSTM, shipowners and operators subscribe to a service that is ready to respond to emergency situations with their vessels. They can immediately start mitigating the effects after the incident had occurred. An emergency situation is defined as a condition where the vessel’s survivability is at risk after collision, grounding, structural damage or collapse, flooding, loss of stability, shifting of cargo, use of large amount of water to extinguish fire onboard, improper cargo loading.

THE SERVICE
- Is calculating damage stability and residual strength 24/7
- Provides immediate response across dedicated communication lines directly to the duty team
- Evaluates actual damage/grounding condition and advises on remedial actions
- Adopts proactive approach in evaluating worst case scenarios
- Is not limited to the initial emergency phase
- Assists in the salvage phase and transit to the repair yard with required calculations
- Is providing exercises, training, workshops and seminars

UNDER NORMAL OPERATIONS
Outside emergency situations, ERSTM provides flexible and tailor made exercises for crew and shore based personnel. From simple communication lines test, to advanced real time scenario exercises and emergency response drills in table top format are carried out at customer’s premises. All exercises are evaluated and experiences are exchanged with the customers to increase the awareness and preparedness of the crew and shore based staff. Based on available 3D models, various loading conditions for repair of rudder, propeller and stern tube can be prepared.

AVAILABLE FOR ANY SHIP TYPE AND FLOATING STRUCTURES
ERS™ is not restricted to vessel type, size, flag, age or class. Oil tankers, bulk, container, car, gas and cement carriers, passenger ships and pleasure craft, navy vessels and offshore structures can be enrolled into ERSTM of DNV GL. The specifics of each vessel type are accounted for when handling an emergency situation.

THE BENEFITS
- Immediate response to an emergency on a vessel
- Enables to understand vessel’s damage condition and to plan the incident management at early stage
- The service frees up shipping company’s senior managers to focus on the overall management of the incident
- Assistance in development of a salvage plan
- Ability to reduce the incident impact on the ship, crew, and the environment
- Ability to reduce the incident associated cost and avoid off hire
- Ensures compliance with MARPOL Annex I, Ch.5, reg. 37(4)
- SOLAS Ch.H.I-1, Part B-1, Reg 8-1
- 33CFR155.240 (OPA’90)
- Part of SOPEP, SMPEP, Tank and Non-Tank Vessel Response Plan
- Ability to train crew and shore based staff on emergency handling

OPERATING WITH CONFIDENCE
Shipowners and operators may not have experienced naval architects and advanced software readily available in emergency. At ERSTM two computerized models for damage stability and residual strength are available at any time for each individual vessel. This enables quick and sound advice in the very early stages of an emergency to be offered. It makes it possible to consider the effect of damages to the structure. ERSTM is cooperating closely with in-house class experts and technical consultants to utilize the entire expertise of DNV GL when solving complex tasks. The service is provided by duty teams comprising of competent naval architects, marine engineers, master mariners, ship surveyors and approval engineers with extensive expertise and long experience in providing ERSTM.

ADAPTING AND DEVELOPING
Since 1992, the service is constantly developing and adapting in line with the emergence of ever more complex ship designs and ever larger ships being built. ERSTM is always implementing the latest industry knowledge for the benefit of the service and the customers.

Contact us for more information
If you want to understand more about ERSTM or want to know:
- How to enroll
- What is required for enrollment
- What is delivered upon enrolment and thereafter
- About free of charge deliverables

Want an ERSTM quotation?
Please contact us at ers@dnvgl.com

A SUCCESS STORY
An incident can last very long. A double hull Aframax tanker fully loaded with 90,000 tons of crude oil run over a rock off the South American coast and drifted away from the grounding to deeper water. ERSTM was mobilized at 13:00h on June 6th (Saturday). Progressive flooding was reported to all water ballast tanks, water leakage to pump room and ERSTM was mobilized at 13:05h on June 6th (Saturday). Progressive flooding was reported to all water ballast tanks, water leakage to pump room and ERSTM was mobilized at 13:05h on June 6th (Saturday). Progressive flooding was reported to all water ballast tanks, water leakage to pump room and ERSTM was mobilized at 13:05h on June 6th (Saturday). Progressive flooding was reported to all water ballast tanks, water leakage to pump room and ERSTM was mobilized at 13:05h on June 6th (Saturday). Progressive flooding was reported to all water ballast tanks, water leakage to pump room and ERSTM was mobilized at 13:05h on June 6th (Saturday). Progressive flooding was reported to all water ballast tanks, water leakage to pump room and ERSTM was mobilized at 13:05h on June 6th (Saturday). Progressive flooding was reported to all water ballast tanks, water leakage to pump room and ERSTM was mobilized at 13:05h on June 6th (Saturday).