



MARITIME

DNV GL

The European world-leading Class

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# Trusted global partner with home in Europe

**100** countries

**300** offices

**4650** maritime staff worldwide

**2000** Surveyors globally



**2x 150**  
years of  
accumulated  
expertise

- Our global network of key account managers, surveyors and technical experts is **better positioned** than ever before
- We have a **strong local presence** with service centres in all major hubs
- We have 3 **home markets**, all located in Europe: Germany, Greece and Norway
- We have technical **head quarters** in Hamburg and Oslo, and major **approval and support centres** in Pusan, Shanghai, Houston, Piraeus and Singapore

# Addressing today's challenges



Safety and compliance

Ship availability

Cost control and efficient operations

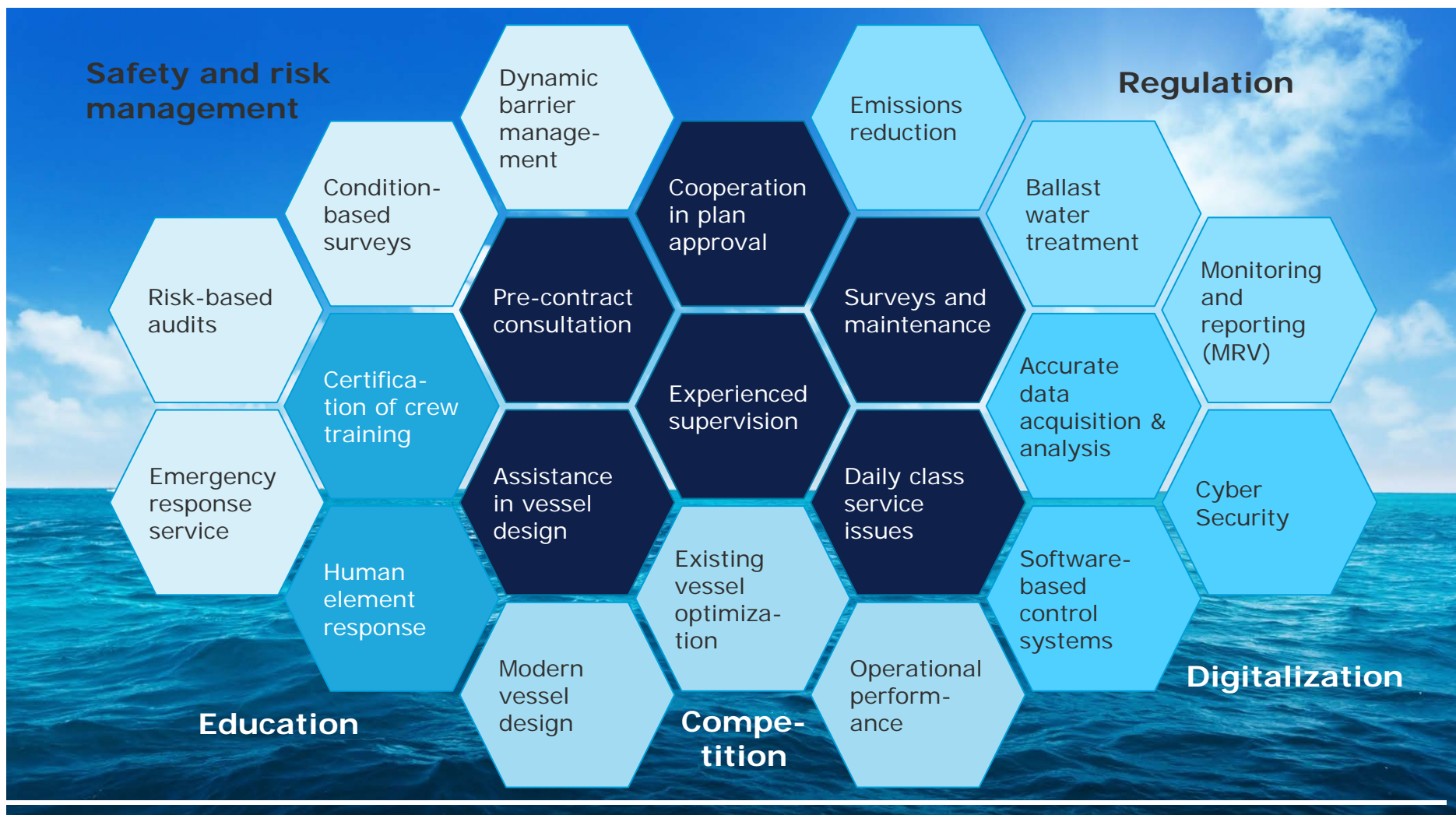
**In a challenging shipping market, our core class services are more relevant than ever for the maritime industry...**

## Newbuilding and Fleet in Service





... but the role of class has expanded significantly over the years as the needs of the maritime industry have grown



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# Classification Society and RO

# Classification: New DNV GL rule set published 1 January 2016

- Over **7,000 pages** reviewed
- More than **2,000 detailed comments** by **800 external stakeholders**
- Resulting in more than **700 rule modifications** – triggered directly by the industry's expertise
- Tailored for efficient application to **38 different vessel types**
- Combined **experience of 300 years** in a clear and **logical structure**
- **Future ready** through special notations:
  - Revised class notation **GAS READY**
  - New class notation **SCRUBBER READY**



## Statutory and regulatory support: IMO, IACS & Flag States



- We are **authorised by more than 80 flag administrations** to carry out statutory certification on their behalf – in relation to SOLAS, MARPOL, load line, STCW, ballast water management, ISM, ISPS, MLC and tonnage
- We contribute in the IMO, through IACS and Flag States, to shape the regulatory landscape. We promote an **equal 'playing field'** focusing on safer, greener and smarter operations
- Our **national and technical committees** actively interact with customers, discussing upcoming regulations
- We engage proactively in **sharing relevant information** on the consequences of new and coming regulations



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# Committed to Europe

# Constant presence and support to the European Maritime Industry

- DNV GL Group Director for European Affairs **permanently stationed in Brussels**
- DNV GL **own seat in ESSF** Plenary and most subgroups
- Numerous contributions to EU studies and EU-funded **Research projects**
- Active engagement with Industry:
  - DNV GL **Secretary of the EU-RO Group**
  - Selected partner for the EMD
  - Main Sponsor of the European Shipping Week
- Holding the **IACS Chairmanship** 2017-2018
- IACS **EG/EU Chairmanship** 2017-2020



# Case: supporting EU to implement the Ship Recycling Regulation



**Seminar for potential Independent Verifiers** for shared operational understanding and to develop checklist

**Review applications** to the European list submitted by ship recycling facilities located outside the EU

**Site inspections** of listed facilities under the supervision of the Commission

**Collecting the views** of stakeholders and Member States' experts on aspects of the SRR

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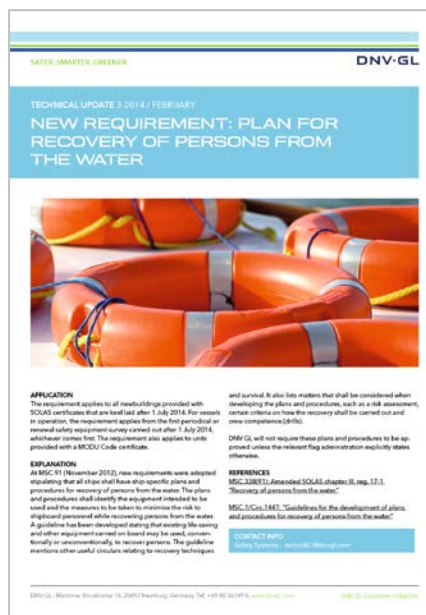
# Sharing Industry Knowledge



# In need of technical advice? - DNV GL provides industry knowledge

- We provide insight and deep knowledge on **industry trends and developments**
- Our regulatory and technology foresight **supports the industry** on newbuilding and operational activities
- Our research and development activities **drive new solutions** and technologies
- We share our experience from supporting a fleet of **approximately 13,000 ships**

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# Summing-up



- The growing complexity of the maritime industry has significantly changed the expectations towards class over the past 30 years.
- Our answer to this is a process of constant modernization to meet today's needs and accelerate our stakeholders.
- Digitalization is at the core of tomorrow's classification society - driving development and enhancing service delivery
- A data driven industry will rely even more on trusted third parties to verify and secure that information – class is a natural partner here



**DNV GL - committed to the maritime industry**



# Thank you

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**SAFER, SMARTER, GREENER**