



WHEN TRUST MATTERS

# Class support in an era of transformation

How class supports innovations and decarbonization

Mårten Schei-Nilsson

12 May 2022

# What we see

- Regulatory pressure is tightening – international, regional and local
- Even if regulatory enforcement is not clear yet, other drivers is setting the agenda – e.g. Finance, Investors, Cargo owners (And when will this be important for the passenger?)
- Decarbonization is about two dimensions:
  - Use less energy doing the same amount of work
  - Use other fuels with Lower, Neutral or Zero GHG emission
- The two dimensions are different in nature. Innovation is key in both dimensions.
- DNV have an ambition to enable the decarbonization in a safe manner, and believe we have a proven track record pathfinding future solutions





## Our foresight on de-carbonization

- Maritime Forecast
- JDPs/JIPs with industry players enabling novel solutions
- R&D
  - DNV has extensive research on de-carbonization
- Industry experience in future proofing vessels
  - DNV works closely with designers, yards and owners on next and future generation vessels
- Green Finance
  - DNV works with banks and owners qualifying for better financial terms

# What we have done...

## Our rules are leading within de-carbonisation

- First Class society with Battery rules
  - Enabling battery fuelled vessels and hybridization
- First Class society with LNG rules
  - DNV classed the first LNG vessel more than 20 years ago, setting the standard for safe operation of vessels with LNG as fuel
  - Today DF LNG is the standard for NBs in some sectors
- First class society with Ready for notation
  - This is tailored rules to enable fuel flexibility for new builds (Ammonia, Methanol etc)



RULES FOR CLASSIFICATION

Ships

Edition July 2021

**Part 6 Additional class notations**

**Chapter 2 Propulsion, power generation and auxiliary systems**

The content of this service document is the subject of intellectual property rights reserved by DNV AS ("DNV"). The user accepts that it is prohibited by anyone else but DNV and/or its licensees to offer and/or perform classification, certification and/or verification services, including the issuance of certificates and/or declarations of conformity, wholly or partly, on the basis of and/or pursuant to this document whether free of charge or chargeable, without DNV's prior written consent. DNV is not responsible for the consequences arising from any use of this document by others.

The PDF electronic version of this document available at the DNV website [dnv.com](http://dnv.com) is the official version. If there are any inconsistencies between the PDF version and any other available version, the PDF version shall prevail.

DNV AS



# Extend your competence with early cooperation with class to accelerate your decarbonisation process

## Innovation is done in the early phase of the project

- Recommendation: Involve us from early stages, don't wait until contract signature between class and yard
- We understand that one size doesn't fit all
- We have extensive experience with both alternative fuels and abatement technologies to step change GHG performance
- We are working with most of the major players already
- We have proven processes and track record that ensures that we maximises the business results for the individual needs

## Challenge us

- DNV is not only a traditional class society with rules and traditional compliance services
- DNV has extensive experience beyond compliance, and we like to share our capabilities with our partners

WHEN TRUST MATTERS

# Thank you

[marten.schei-nilsson@dnv.com](mailto:marten.schei-nilsson@dnv.com)

[www.dnv.com](http://www.dnv.com)

