

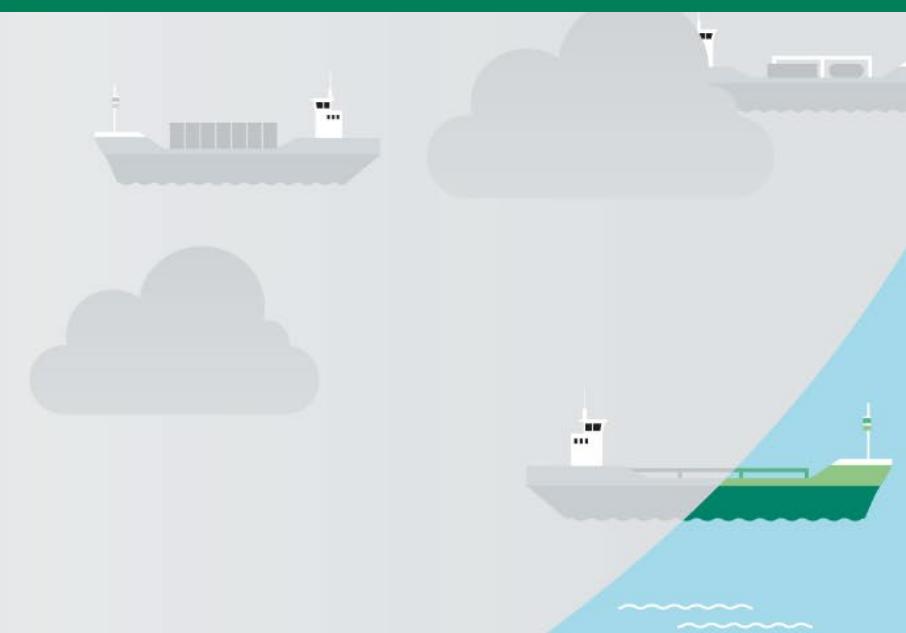
COASTAL & SHORT SEA SHIPPING

- Leading the Green Revolution to Zero Emissions

Green Shipping Programme

- a public-private partnership programme

Narve Mjøs, VP DNV, Programme Director



Green Shipping Program

- A paradigm shift in maritime
 - Emissions will be regulated and get a cost
 - Green demands from the market, investors, employees and the public
 - Climate change and new requirements - a significant business opportunity
- Establish the world's most efficient and environmentally friendly shipping
 - Profitable emissions reductions
 - Sustainable logistics solutions
 - Green jobs
 - Increased competitive advantage
 - Leading international position



Green Shipping Programme



Grønt Skipsfartsprogram



Arena Ocean
Hyway Cluster

AISKO
- vi forsyner Norge med mat



BIOKRAFT

BREVIK
engineering

BRUNVOLL

**BUKSÉR OG
BERGING**

ColorLine



CLIR CRUISE LINES
INTERNATIONAL
ASSOCIATION

corvus
energy

**CRUISE
NORWAY**

Carnival

Danske Bank

DNB

DFDS

DNV

EnergiNorge

ENOVA

EKSPORTKREDITT
Export Credit Norway

equinor

FK

fiskebåt |
HAVFISKEFLÅTENS
ORGANISASJON

Fjord1

FLOWCHANGE

**Flora
kommune**

Forskningsrådet



GASNOR
A Shell Subsidiary

GRIEG

HYDRO

HEIDELBERGCEMENT

**Innovasjon
Norge**

**DAPHNE
TECHNOLOGY**

KONGSBERG

klp

KLIMA- OG MILJØDEPARTEMETET

Kystrederiene

KYSTVERKET

massterly
a Kongsberg Wilhelmsen joint venture

**MENON
ECONOMICS**

**MILJØ-
DIREKTORATET**

MSC

Møre og Romsdal
fylkeskommune

**NHO
SJØFART**

Norges
Rederiforbund
Norwegian
Shipowners'
Association

NORLED

**Norske
Havner**

Norsk Industri

**Norwegian
Hydrogen**
Hellest Hydrogen Hub

**NÆRINGSLIVETS
NOx-fond**

**DET KONGELIGE
NÆRINGS- OG FISKERIDEPARTEMETET**



**PORT OF STAVANGER
NORWAY**

ROCKFJORD

**RoyalCaribbean
INTERNATIONAL**

SEATRANS

SIEMENS

SINTEF

Sjøfartsdirektoratet
Norwegian Maritime Authority



Statens vegvesen

STOVE SHIPPING

Swedbank

**TECO
2030**

TOTAL

TORGHATTEN

**THOME
GROUP**

VARD
a Fincantieri company



Wilhelmsen

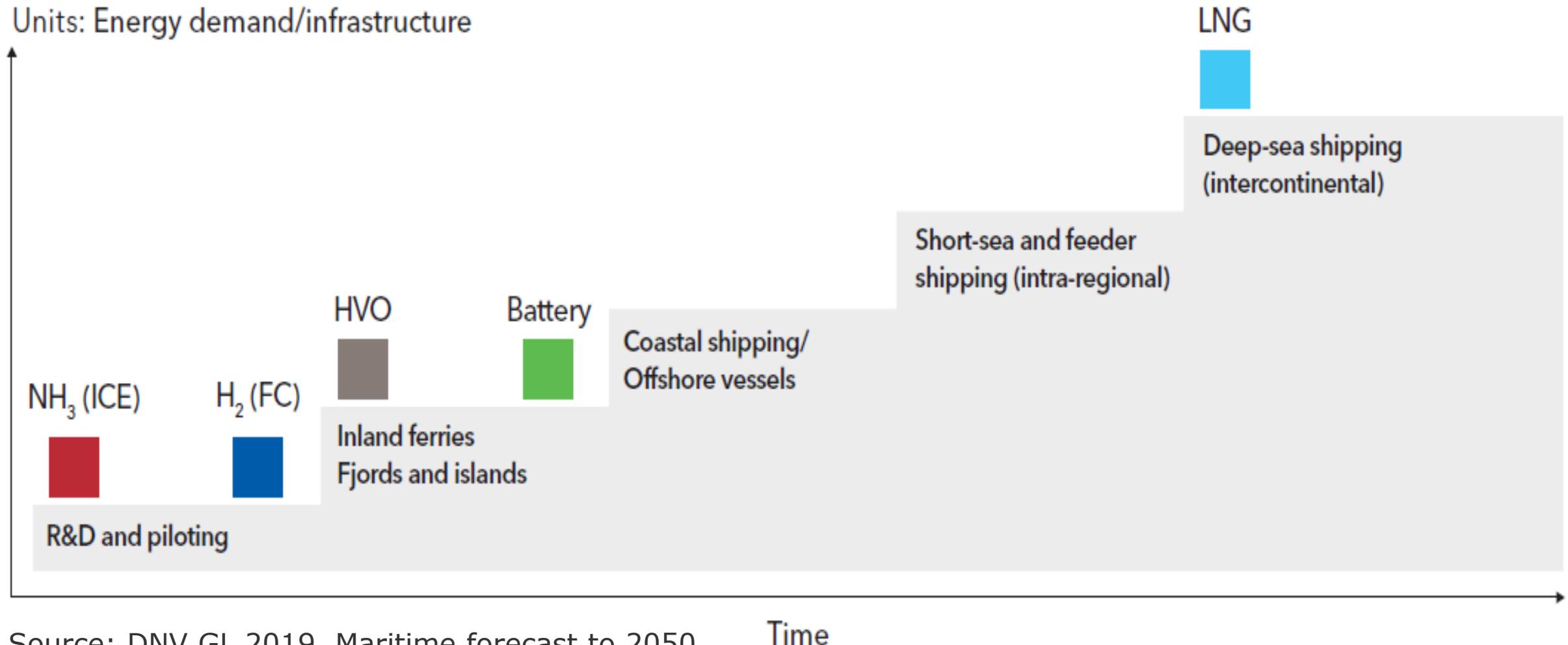
WESTCON

WÄRTSILÄ

YARA

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From fjords to oceans - green technologies must take steps to make the voyage



COASTAL & SHORT SEA SHIPPING

- Leading the Green Revolution to Zero Emissions

- GSP has initiated 33 pilots, whereof 8 are realized or under construction
- 5 of them will be mentioned here today

In my panel – 5 companies

- Color Line
- HeidelbergCement
- ASKO MARITIME
- Vard Brevik
- Kongsberg Maritime

