

**How can the Green Deal represent an opportunity for maritime industries?**

**Is it possible to reduce CO<sub>2</sub>-emissions substantially while improving the economy?**

**How can decarbonization go hand in hand with competitiveness?**

**How can policies in favor of sustainability enable the creation of jobs?**

By Jenny N Braat  
CEO/Managing director Danish Maritime

# Danish government to focus heavily on climate strategy

Under the agreement, the government pledged to introduce binding decarbonisation goals and strengthen its 2030 target to reduce emissions by 70% below the 1990 level – the current target is 40%.

“The green path for Denmark is to reduce more than what other countries thought possible without social consequences – and avoid situations like the yellow vest protests in France. If we create a green transition in a way, where people lose their jobs or protest in the streets, then we would not be a good example. To inspire other countries, it is very important that the green transition is done in a socially just way,” said Dan Jørgensen.

Source: State of Green

# Climate partnership

The Danish Prime Minister Mette Frederiksen presented the Danish government's 13 “climate partnerships” at a meeting in Marienborg, the Prime Minister’s residence. The 13 partnerships represent all branches of Danish business.

## **The chairmen of the government’s 13 climate partnerships**

Land transport and logistics: Jens Bjørn Andersen, CEO, DSV Panalpina

Service, IT and consultancy: Eva Berneke, CEO, KMD

Aviation: Simon Pauck Hansen, CEO, SAS Danmark

Waste, water and circular economy: Camilla Hastrup Hermansen, CEO and co-owner, Plus Pack

Building and construction: Jesper Kristian Jacobsen, CEO, Aarsleff

Life Science og biotech: Lars Fruergaard Jørgensen, CEO, Novo Nordisk

Retail: Michael Løve, Group CEO, Netto International

Production: Mads Nipper, CEO, Grundfos

Finance: Torben Möger Pedersen, CEO, PensionDanmark

Energy and utilities: Henrik Poulsen, CEO, Ørsted

## **Shipping: Søren Skou, CEO, Mærsk**

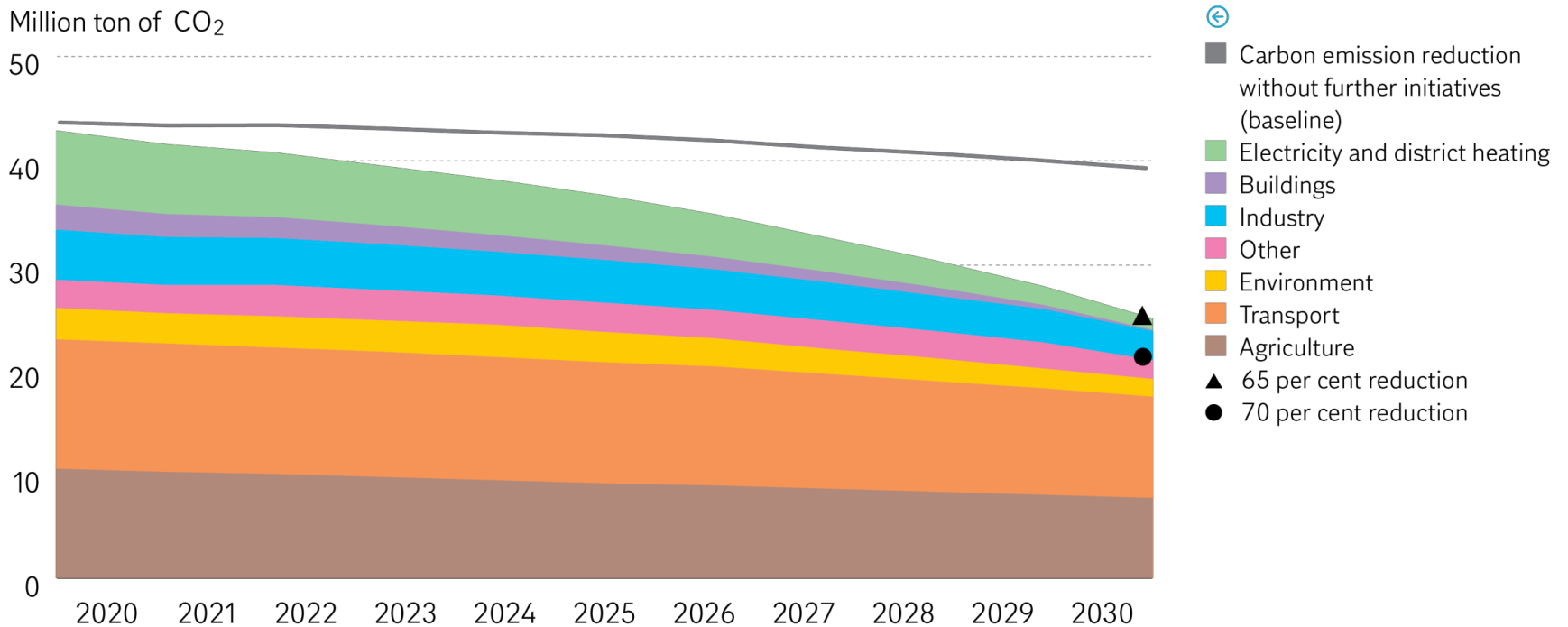
Energy heavy industry: Michael Lundgaard Thomsen, Managing Director, Aalborg Portland

Food production and agriculture: Jais Valeur, Group CEO, Danish Crown

Source: State of Green

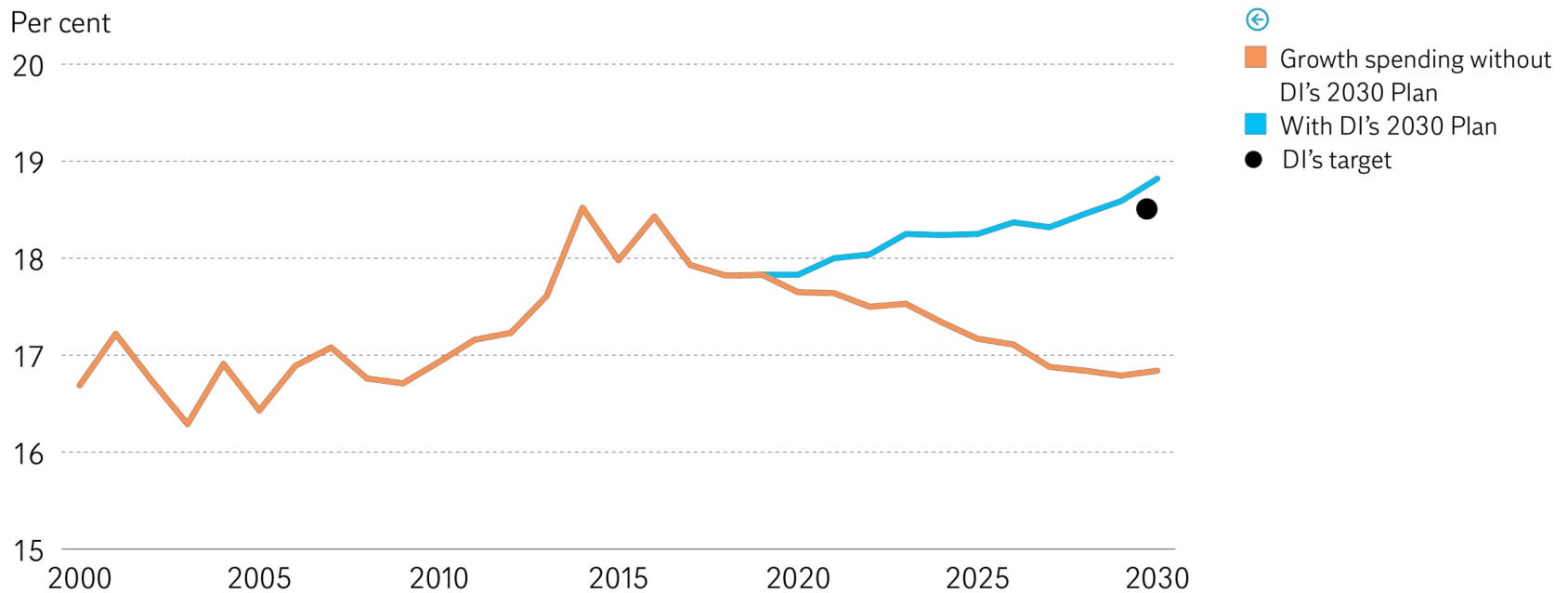
# DI'S PLAN REDUCES GHG EMISSION

GHG emissions with DI's 2030 Plan



# PUBLIC SPENDING MUST BE TARGETED TO ENSURE GROWTH IN THE FUTURE

Spending in R&D, education, infrastructure and digitalization as a share of public spending



# International agreement for shipping 2018

- .2 carbon intensity of international shipping to decline to reduce **CO2 emissions per transport work**, as an average across international shipping, by at least **40% by 2030**, pursuing efforts towards **70% by 2050**, compared to 2008; and
- .3 GHG emissions from international shipping to peak and decline to peak GHG emissions from international shipping as soon as possible and to reduce the total annual GHG emissions by at least 50% by 2050 compared to 2008 whilst pursuing efforts towards phasing them out as called for in the Vision as a point on a pathway of CO2 emissions reduction consistent with the Paris Agreement temperature goals.

Source IMO

# Ambitions with in shipping options or challenges

## **2030**

70% reduction compared to 1990 – Danish ambition society

50% reduction compared to 2008 – IMO reduction for ships

## **2050**

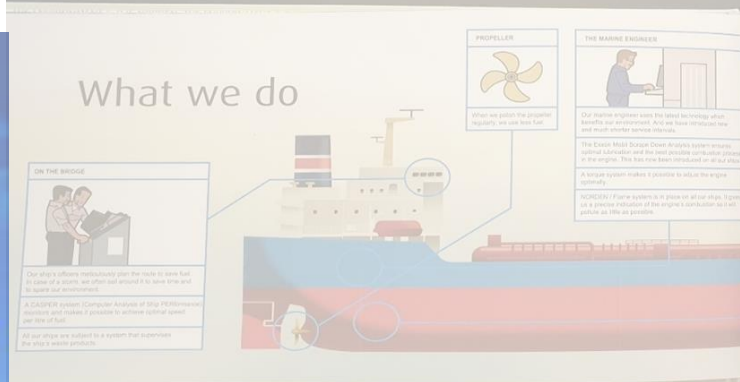
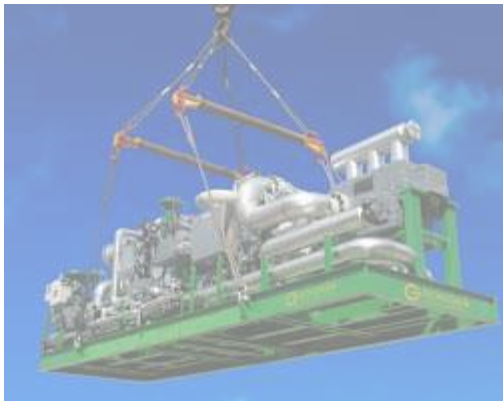
70% reduction compared to 2050

## **Mærsk**

100% reduction by 2030

# A few examples for fuel reduction

- Kappel propellers approx. 4% reduction
- Waste heat recovery (WHR) up to 11% depending on use for steam or electricity generation
- Operational Optimization by Decision Support and Energy Optimization Systems up to 20%
- Ship paint 5% reduction





# European maritime industry

- Turnover for the European maritime industry is approx. 92 billion Euro
- Maritime equipment manufacturers and suppliers are world leaders, with a share of almost 50% of global production.
- More than 3% of the global CO2 emission is coming from shipping

## EU - actions

- Level playing field globally
- Make EU public funding conditional upon EU return on investment
- New public procurement rules in support of Europe's maritime technology sector
- Incentive for European companies with R,D&I
- Foster more transparency and enforce level playing field

**How can the Green Deal represent an opportunity for maritime industries?**

**Is it possible to reduce CO<sub>2</sub>-emissions substantially while improving the economy?**

**How can decarbonization go hand in hand with competitiveness?**

**How can policies in favor of sustainability enable the creation of jobs?**