Grøn omstilling i praksis

Hvad har vi lært, hvad arbejder vi med og et bud på storskala grøn omstilling af hele erhvervet.

Af Jakob.Steffensen@dfds.com



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DFDS in short:

- 8,200 employees
- 60 ships and a lot of trucks and trailers



96% of the DFDS emissions come from our ships Air pollution is more than CO2, but CO2 is an important KPI for change





The DFDS Climate Action Plan is quite straight forward: Improve efficiency of the existing fleet, then implement zero emission tonnage







Zero Emission shipping and logistics roadmap Digitalization and scale are the key components to bring down cost





The biggest obstacle is the price gap between green and black We need to learn fast in order to reach our targets





DFDS need to be engaged in order to ensure zero emission fuel availability within our network



Power-to-Ammonia (Esbjerg) 1GW

Green hydrogen 🔶 green ammonia 🔶 green fertilizers

Green Fuels for Denmark (Copenhagen) 1.3GW

Green hydrogen -> green Methanol -> eJet fuel



The first large scale zero emission ferry for international voyages Copenhagen Oslo, 1800 passengers, 24MW and 44 tons H2 storage







A potential path to general large scale decarbonization of shipping: Removing existing inefficiencies to enable green to compete with black





Leverage the new opportunities that zero-emission tonnage brings and innovate on Business and Operation Model to improve efficiency

The recipe

- Removal of today's inherent inefficiencies
- Extreme servitization of physical assets
- Cross sector and value stream integration to reduce risk for all stakeholders
- Access, not ownership, of assets
- Finance zero emission tonnage as green bonds

The required ingredients

- Zero Emission propulsion technologies
- Zero Emission storage and bunkering technologies
- Zero Emission fuel availability
- High level of digitalization
- High level of Standardization
- High quality twinning of physical assets
- Digitize all communication to, and control of, physical assets
- Direct digital access to all customers and stakeholders
- The right partners
- Access to attractive financing
- Scale



