



Keeping the fleet fighting: key goals for
delivering naval effect



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BACKGROUND

The Danish Government

AUGUST 2021

National Defence Industrial
Strategy of the Danish
Government

Strengthened cooperation for Danish security

Ministry of Industry, Business and Financial Affairs, Ministry of Defence, Ministry of Foreign Affairs,
Ministry of Higher Education and Science

In August 2021 the Danish Government presented a new National Defence Industrial Strategy.

Purpose:

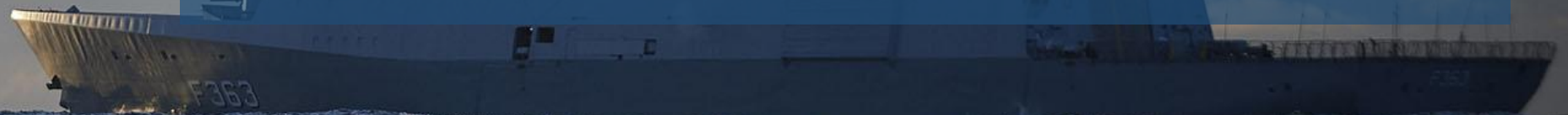
Secure national supplies from the defence industry.

Enhance the **collaboration** between authorities and the defence industry.

Strengthen our collective defence by exporting products to our allies

Maintain and develop **competitive industrial expertise** and capabilities
-> keeping up with military technological competition.

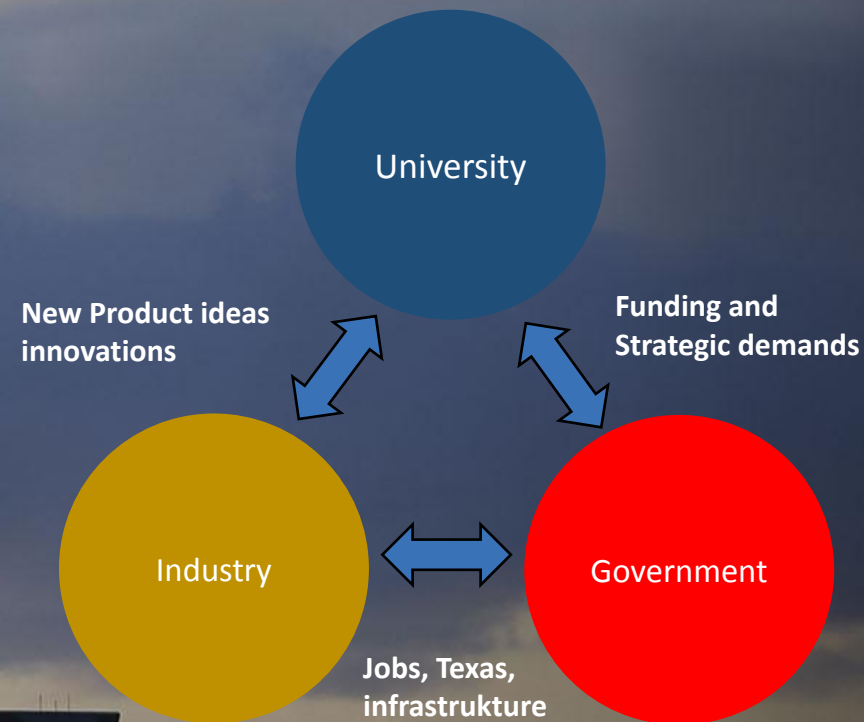
***“FROM A BACKWARD LOOKING POINT OF VIEW ANY
TRANSITION CAN SEEM LIKE THE END OF THE WORLD”***



BACKGROUND

Navy Programmes Office was established in June 2022 with the purpose to:

- **Lead and manage** transverse navy projects
- Secure and develop collaboration between government agencies, the defence industry and universities (**triple helix**)
- Support the development of co-creation and partnerships. NPO represents Defence Command in **Danish Maritime Partnerships** consisting of key players in Danish shipbuilding technologies
- Oversee development of new platforms **from cradle to grave**



Major challenges:

(...for a small navy – maybe not only)

- Technological Advancements - **Rapid** development in technology
- **Limited Resources**
- **Human Capital** Development – Building and retaining skilled personnel
- **Climate Change** and Environmental Concerns

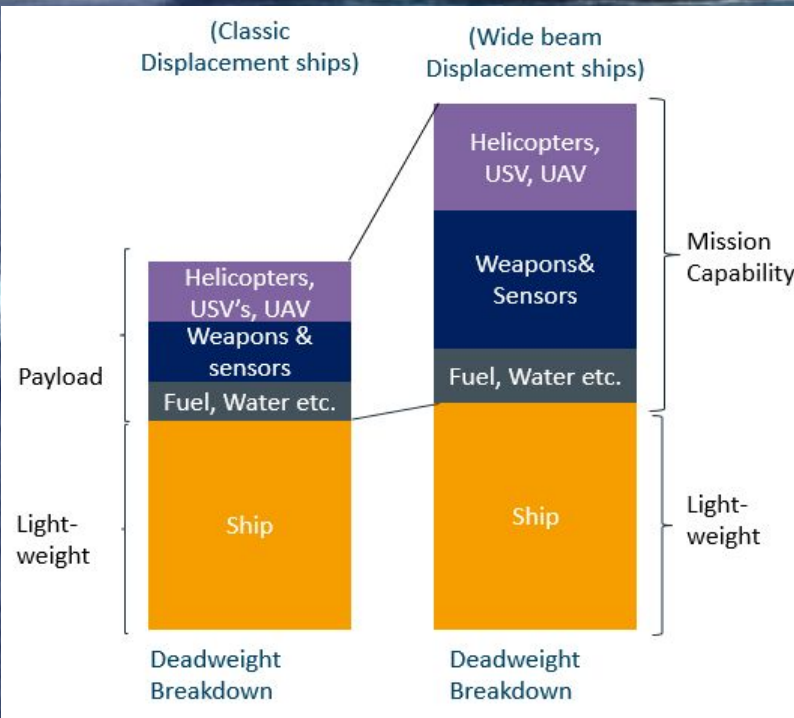


Building wide beam

PAYLOAD EFFICIENCY: >90



PAYLOAD EFFICIENCY: 30%



We need: "Robust life time flexible pay-load efficiency"

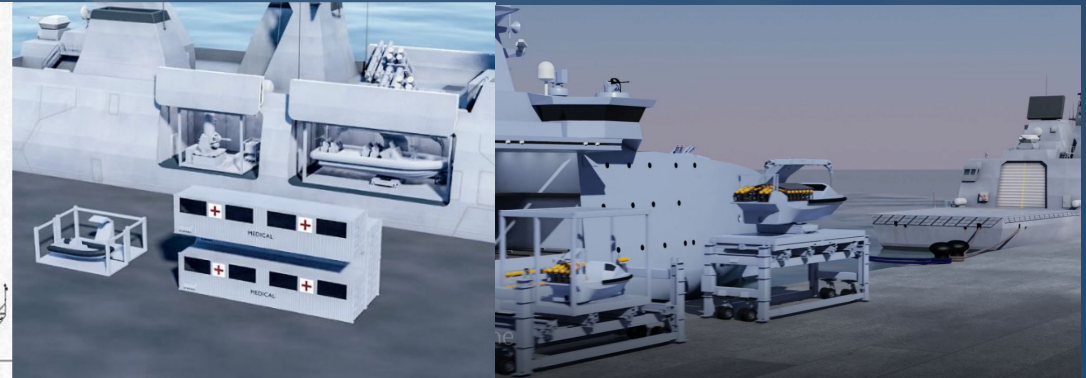
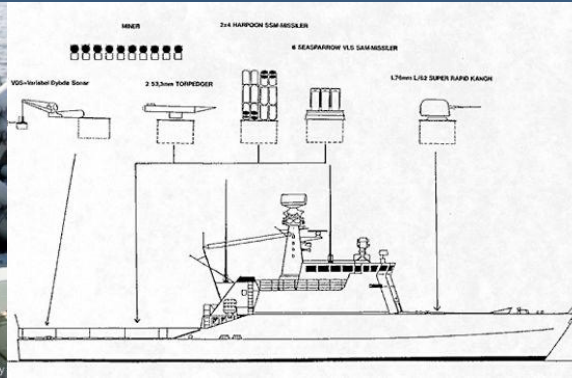
**IVER HUITFELDT
CLASS**

**PARENT DESIGN FOR
16 FRIGATES IN 4
COUNTRIES
INCLUDING UK**



Containerization, modularity and flexibility

ADAPTABILITY

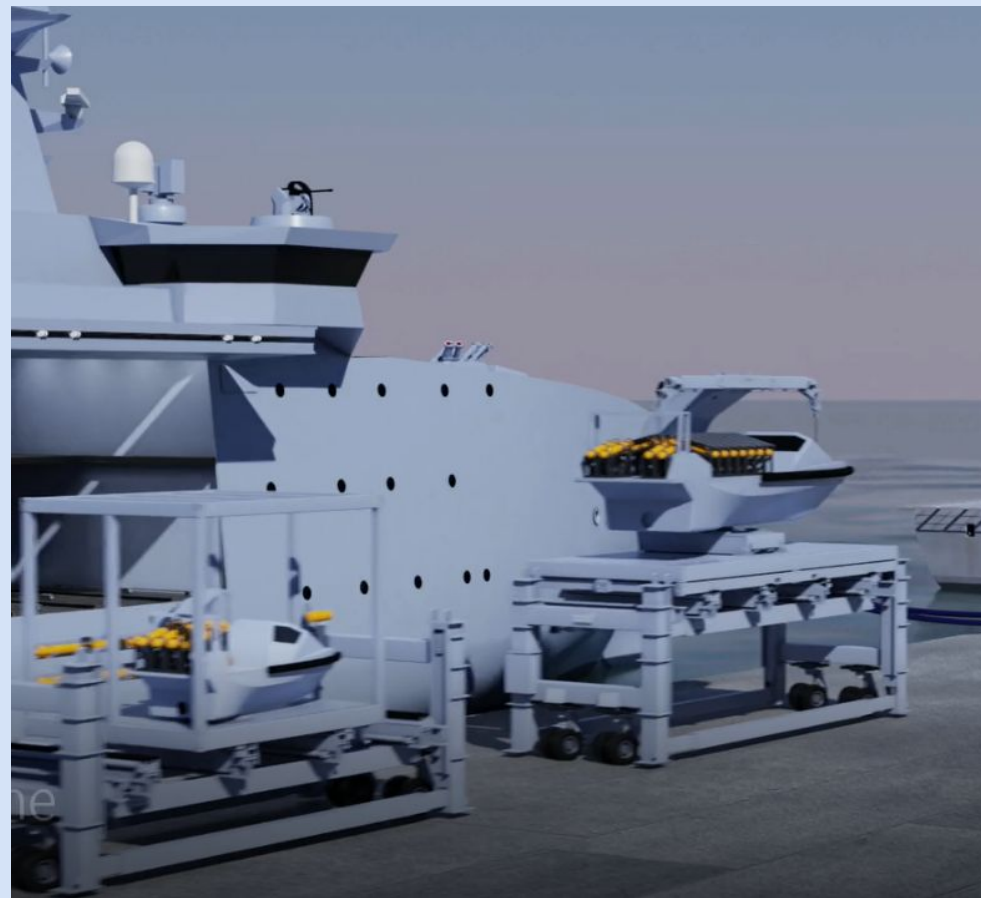
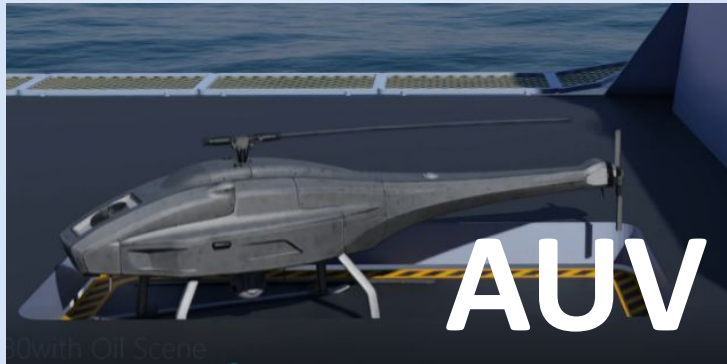


Use of:

- Artificial Intelligence
- Augmented Reality
- Virtual Reality



Use of drone technology





DANISH DEFENCE

Key take-aways

- **Government-Industry Co-creation** and partnership is crucial
- **Mission oriented** approach rather than platform centric
- Enhanced use of **AI, machine learning** and drone technology
- Containerization, modularity and flexibility remains key as it can ensure **ADAPTABILITY**

Thank you