

# Skipsteknisk



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Future fuel in new designs

## Key drivers:

- Regulations and policies
  - IMO regulations on carbon intensity are taking effect from 2023
- Expectations of owners and consumers
  - Increased commercial pressure
  - Increased pressure from stakeholders
- Access to capital

## Decarbonize shipping

- Logistics and digitalization
- Hydrodynamics
- Machinery
- Fuels and energy
- After treatment measure

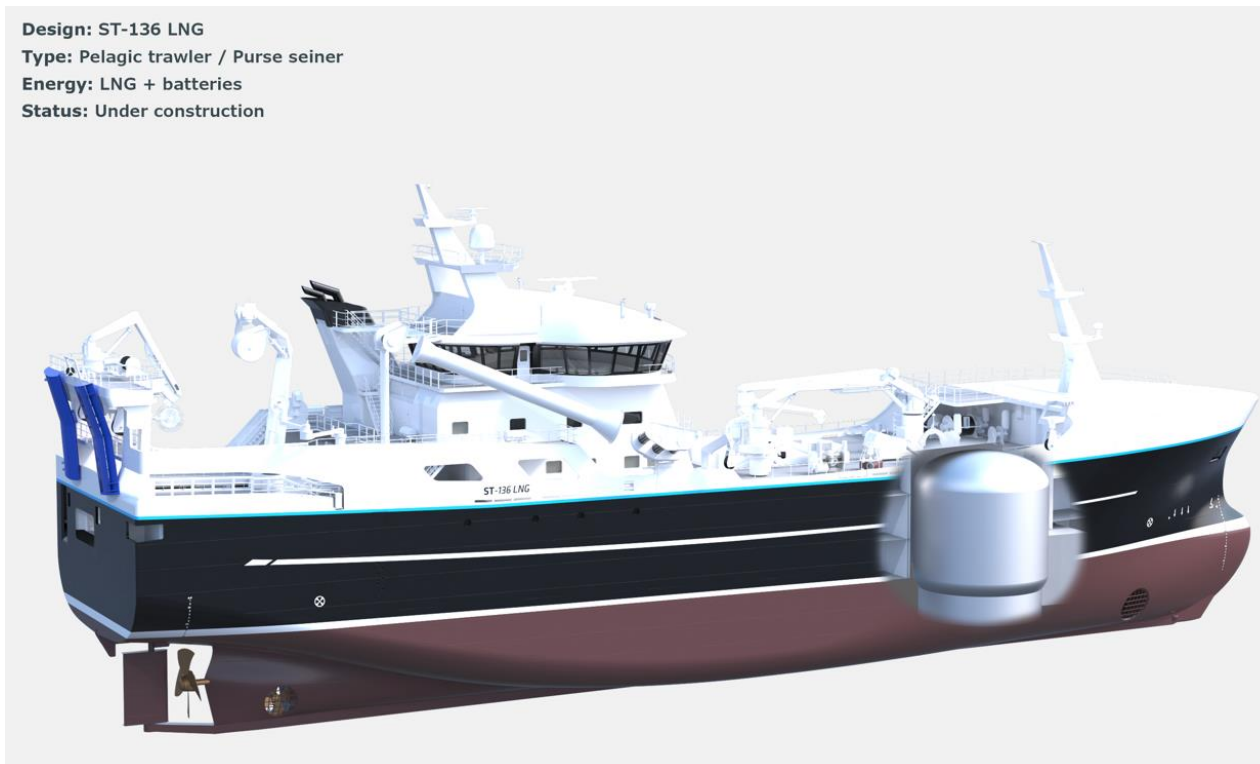
## Design challenges:

- Allocating sufficient space for fuel storage
- Minimizing loss of cargo carrying capacity
- Technology availability and development

## Alternative fuels:

- Approx. 12% of new builds in June 2021
- LNG, battery and LPG
- Ammonia, hydrogen and methanol

- Duel fuel
- Fuel ready solutions
- LNG / LPG ready for commercial use



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- Duel fuel
- Fuel Ready solutions
- Methanol ready for commercial use

**Design:** ST-244  
**Type:** CSOV  
**Energy:** eMethanol + Biodiesel & batteries  
**Status:** Advanced design phase



- Duel fuel
- Fuel Ready solutions
- Hydrogen ready for commercial use in 4-8 years

**Design:** ST-158 H  
**Type:** Longliner / netter  
**Energy:** Hydrogen + Biodiesel & batteries  
**Status:** Advanced design phase





- Duel fuel
- Fuel Ready solutions
- Ammonia ready for commercial use in 4-8 years

**Design:** ST-118 A  
**Type:** Stern trawler  
**Energy:** Ammonia + Biodiesel & batteries  
**Status:** Advanced design phase



Thank you for your time