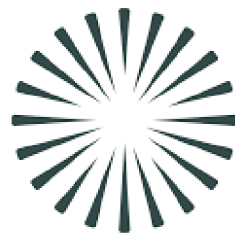
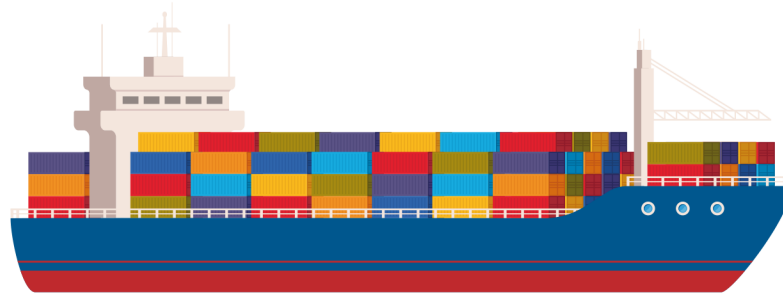


Norway announces competitive bidding process for the use of ammonia in vessels



enova

Enova SF,
*owned by the Ministry of Climate and
Environment,*
**will provide investment support for projects
that will use ammonia as fuel in vessels**

The first competitive bidding process for the use of ammonia in vessels



Norway aims to utilise its excellent renewable generation potential to be a green maritime champion by

- ✓ *Production grants to kickstart 5 hydrogen hub projects across Norway by 2025*
- ✓ *Agreement with Nordics countries for emissions-free shipping between ports in the region*
- ✓ *Ambitious local targets including the aim to run only emission-free ferries in the fjords by 2026*

Adding to this, the bidding process is the first to provide demand side investment support to ensure a green maritime industry by



Reducing the additional cost for investment and operation of ammonia vessels



Reducing the network barrier between producers and users over the use of ammonia for vessels

**A maximum amount of NOK 300 million
(EUR 26mn) per project is up for grabs**



The applications for round 1 of the competitive bidding is to be **concluded by March 22, 2023** with the next one mid-September, 2024

Tender overview



**All participants must be
registered in Norway**



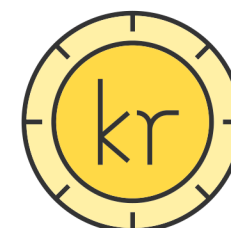
**No support for
production/
bunkering
Infrastructure**



Technologies for use:
**Vessel powered by
ammonia as primary fuel**



**The support rate is
limited to 80% of the
project's approved
additional costs**



**A maximum
support of
NOK 300 million**

The use of ammonia as a primary fuel for vessels is a mandatory requirement



Projects must (non-exhaustive) ...



Use ammonia as the primary fuel



Use the vessels for commercial operation



Take an investment decision within 12 months of the commitment letter



Be commissioned within 36 months after the investment decision



Submit a credible plan for where the ammonia can be bunkered from



On average, over the first five years of operation have a minimum of 25% of the energy supplied to the vessel in the form of green fuels



Have a total need for support lesser than €30 mn/ NOK 300 million

Applicants are ranked primarily on the cost-effectiveness of their solution



Applicants are ranked based on:

Cost
effectiveness
(70%)

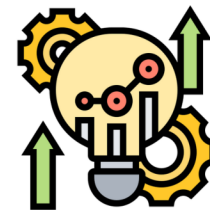


Calculated as:

Support
[NOK]

Installed power motor(s)
[kW]

Project
maturity
(30%)



- Technical maturity, project suppliers etc...
- Maturity of work with security and compliance with regulations
- Financial maturity

Looking for a green ammonia supplier?



Yamna, green molecules producer, is
is developing
several green ammonia
projects worldwide

Interested to partner?

Contact:

Pedro Garcia, CTO

Email: pedro.garcia@yamnaco.com

Phone: +47 901 62 301

