



Piloting Multi MW Ammonia Ship Fuel Cells

Fact Sheet

Project Information

ShipFC

Grant agreement ID: 875156

[Project website](#)

DOI

[10.3030/875156](https://doi.org/10.3030/875156)

EC signature date

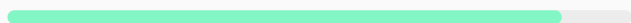
8 December 2019

Start date

1 January 2020

End date

31 December 2025



Funded under

SOCIETAL CHALLENGES - Smart, Green And Integrated Transport

Total cost

€ 13 179 056,25

EU contribution

€ 9 975 477,50

Coordinated by

MARITIME CLEANTECH



Norway

Project description

World-first offshore vessel to run on ammonia-powered fuel cell

Recent research suggests that ammonia holds great promise as a marine fuel that can help the shipping sector meet the IMO target of halving greenhouse gas emissions by 2050. The EU-funded ShipFC project will install the world's first ammonia-powered fuel cell on a vessel. The project will see an offshore vessel retrofitted with a large, 2-megawatt, ammonia fuel cell, which allows it to sail solely on the clean fuel for up to 3 000 hours annually. As such, the project will demonstrate that long-range zero-emission voyages with high power on larger ships is possible.

Fields of science (EuroSciVoc)



Keywords

[ammonia zero-emission shipping.pilot](#)

Programme(s)

[H2020-EU.3.4. - SOCIETAL CHALLENGES - Smart, Green And Integrated Transport](#)

MAIN PROGRAMME

[H2020-EU.3.4.6. - FCH2 \(transport objectives\)](#)

Topic(s)

[FCH-01-2-2019 - Scaling up and demonstration of a multi-MW Fuel Cell system for shipping](#)

Call for proposal

[H2020-JTI-FCH-2019-1](#)

[See other projects for this call](#)

Funding Scheme

[IA - Innovation action](#)

Coordinator



MARITIME CLEANTECH

Net EU contribution

€ 776 500,00

Total cost

€ 776 500,00

Address

MEATJONNSVEGEN 74

5412 Stord

 **Norway** 

Activity type

Other

Links

[Contact the organisation](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Participants (16)



WARTSILA NORWAY AS

 **Norway**

Net EU contribution

€ 968 625,00

Address

WICHMANNVEGEN 3 RUBBESTADNESET

5420 Bomlo 

Region

Norge > Vestlandet > Vestland

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

[Contact the organisation](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 2 306 500,00

 **THIRD-PARTY** 

Wärtsilä Gas Solutions Norway AS

 **Norway**

Net EU contribution

€ 645 925,00

Address

SOLBRAVEIEN 10

1383 Asker 

Region

Norge > Oslo og Viken > Viken

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

[Contact the organisation](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 922 750,00



FRAUNHOFER GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG EV

 Germany

Net EU contribution

€ 448 925,00

Address

HANSASTRASSE 27C

80686 Munchen 

Region

Bayern > Oberbayern > München, Kreisfreie Stadt

Activity type

Research Organisations

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 448 925,00



CLARA VENTURE LABS AS ⓘ

 Norway

Net EU contribution

€ 179 447,63

Address

Fantoftvegen 38
5072 Bergen ⓘ

SME ⓘ

Yes

Region

Norge > Vestlandet > Vestland

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

[Contact the organisation](#) ⓘ [Website](#) ⓘ
[Participation in EU R&I programmes](#) ⓘ
[HORIZON collaboration network](#) ⓘ

Total cost

€ 256 353,75



UNIVERSITY OF STRATHCLYDE

 United Kingdom

Net EU contribution

€ 839 577,50

Address

Richmond Street 16
G1 1XQ Glasgow ⓘ

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#) ⓘ [Website](#) ⓘ
[Participation in EU R&I programmes](#) ⓘ
[HORIZON collaboration network](#) ⓘ

Total cost

€ 839 577,50



"NATIONAL CENTER FOR SCIENTIFIC RESEARCH ""DEMOKRITOS"""

 Greece

Net EU contribution

€ 455 875,00

Address

END OF PATRIARCHOU GRIGORIOU E AND 27 NEAPOLEOS STREET

15341 Agia Paraskevi 

Region

Αττική > Αττική > Βόρειος Τομέας Αθηνών

Activity type

Research Organisations

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 455 875,00



PERSEE

 France

Net EU contribution

€ 175 087,50

Address

12 PL FONTAINE

39130 Pont De Poitte 

SME 

Yes

Region

Bourgogne-Franche-Comté > Franche-Comté > Jura

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

[Contact the organisation](#) 

[Participation in EU R&I programmes](#) 

Total cost

€ 250 125,00



NORTH SEA SHIPPING AS

 Norway

Net EU contribution

€ 61 250,00

Address

KVALOYA 18

5385 Bakkasund 

Region

Norge > Vestlandet > Vestland

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

[Contact the organisation](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 87 500,00



CAPITAL-EXECUTIVE SHIP MANAGEMENT CORP

 Marshall Islands

Net EU contribution

€ 67 725,00

Address

TRUST COMPANY COMPLEX AJELTAKE ROAD AJELTAKE ISLAND

MH96960 Majuro 

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

[Contact the organisation](#) 

[Participation in EU R&I programmes](#) 

Total cost

€ 96 750,00



STAR BULK SHIPMANAGEMENT CO. (CYPRUS) LTD

 Cyprus

Net EU contribution

€ 66 675,00

Address

CHRISTODOULOU HADJIPAVLOU 177 (MOLOS)

3036 Limassol 

Region

Κύπρος > Κύπρος > Κύπρος

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

[Contact the organisation](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 95 250,00



Yara International ASA 

 Norway

Net EU contribution

€ 120 633,63

Address

Drammensveien 131

0277 Oslo 

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

Total cost
€ 172 333,75



SUSTAINABLE ENERGY AS

 Norway

Net EU contribution
€ 640 625,00

Address
MEATJONNSVEGEN 74
5412 Stord 

Region
Norge > Vestlandet > Vestland

Activity type
Other

Links
[Contact the organisation](#) 
[Participation in EU R&I programmes](#) 
[HORIZON collaboration network](#) 

Total cost
€ 915 178,75



EQUINOR ENERGY AS

 Norway

Net EU contribution
€ 0,00

Address
FORUSBEEN 50
4035 Stavanger 

Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links
[Contact the organisation](#)  [Website](#) 
[Participation in EU R&I programmes](#) 

Total cost

No data



EIDESVIK SHIPPING AS

 Norway

Net EU contribution

€ 3 504 375,00

Address

VESTVIKVEGEN 1
5443 Bomlo 

Region

Norge > Vestlandet > Vestland

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

- [Contact the organisation](#) 
- [Participation in EU R&I programmes](#) 
- [HORIZON collaboration network](#) 

Total cost

€ 5 015 000,00



ALMA CLEAN POWER AS

 Norway

Net EU contribution

€ 829 864,87

Address

FANTOFTVEGEN 38
5072 Bergen 

Region

Norge > Vestlandet > Vestland

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

[Contact the organisation](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 1 185 521,25



YARA CLEAN AMMONIA NORGE AS

 Norway

Net EU contribution

€ 194 366,37

Address

DRAMMENSVEIEN 131

0277 OSLO 

Region

Norge > Oslo og Viken > Oslo

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

[Contact the organisation](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 277 666,25

Last update: 19 December 2023

Permalink: <https://cordis.europa.eu/project/id/875156>

European Union, 2025