Safe, Efficient and Autonomous: Multimodal Library of European Shortsea and inland Solutions

Fact Sheet

Project Information

**SEAMLESS**
Grant agreement ID: 101096923

**DOI**
10.3030/101096923

Funded under
Climate, Energy and Mobility

Total cost
€ 14 986 815,00

EU contribution
€ 14 986 315,00

Coordinated by
ETHNICON METSOVION POLYTECHNION
Greece

Project description

A closer look at short sea shipping

Short sea shipping (SSS), which is the movement of cargo and passengers by sea between ports in geographical Europe, has environmental and economic benefits over traditional modes of transport. It contributes to the integration, cohesion and economic development of the EU’s peripheral regions. In this context, the EU-funded SEAMLESS project will develop an automated and cost-effective waterborne freight feeder service for SSS and inland waterways transport. This involves autonomous systems to shift road freight movements to waterways and enhance the trans-European transport network. The project will demonstrate the full-scale
implementation of the service in real-world scenarios, evaluate sustainability and develop novel business models. It will also identify regulatory gaps and provide recommendations for policymakers.

**Keywords**

Autonomous waterborne transport  
Galileo services  
sustainable business models  
synchromodal logistics  
modal shift  
IWT and SSS  
feeder loop service  
zero-emission autonomous vessels  
innovative port

**Programme(s)**

**HORIZON.2.5 - Climate, Energy and Mobility**  
**HORIZON.2.5.7 - Clean, Safe and Accessible Transport and Mobility**  
**HORIZON.2.5.6 - Industrial Competitiveness in Transport**

**Topic(s)**

**HORIZON-CL5-2022-D5-01-05 - Seamless safe logistics through an autonomous waterborne freight feeder loop service**

**Call for proposal**

**HORIZON-CL5-2022-D5-01**

[See other projects for this call](#)

**Funding Scheme**

**HORIZON-RIA -**

**Coordinator**
Participants (31)
BERGEN HAVN AS
Norway
Net EU contribution
€ 143 750,00
Address
Nostegaten 30
5006 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
Other funding
€ 0,00

TIC 4.0
Belgium
Net EU contribution
€ 143 000,00
Address
Avenue des arts 3-5
1210 Saint-josse-ten-node
Region
Région de Bruxelles-Capitale/Brussels Hoofdstedelijk Gewest > Région de Bruxelles-Capitale/Brussels Hoofdstedelijk Gewest > Arr. de Bruxelles-Capitale/Arr. Brussels-Hoofdstad
Activity type
Other
ZULU ASSOCIATES
Belgium
Net EU contribution
€ 839,000,00
Address
Georges capiaulei 4
2950 Kapellen
SME
Yes
Region
Vlaams Gewest > Prov. Antwerpen > Arr. Antwerpen
Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)

SINTEF OCEAN AS
Norway
Net EU contribution
€ 1,027,250,00
Address
Paul fjermstads veg 59
7052 Trondheim
Norge > Trøndelag > Trøndelag

Activity type
Research Organisations

Links
Contact the organisation Website Participation in EU R&I programmes
HORIZON collaboration network

Other funding
€ 0,00

CIAOTECH Srl
Italy
Net EU contribution
€ 351 750,00

Address
Via palestrina 25
00189 Roma

Region
Centro (IT) > Lazio > Roma

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

Other funding
€ 0,00

THIRD-PARTY

INNOVATION ENGINEERING SRL
Italy
Net EU contribution
€ 92 000,00

Address
Via palestrina 25
00189 Roma

SME
Yes
Region
Centro (IT) > Lazio > Roma
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

Other funding
€ 0,00

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NORGES TEKNISK-NATURVITENSKAPELIGE UNIVERSITET NTNU
Norway
Net EU contribution
€ 366 250,00
Address
Hogskoleringen 1
7491 Trondheim
Region
Norge > Trøndelag > Trøndelag
Activity type
**Higher or Secondary Education Establishments**

Links
- Contact the organisation
- Website
- Participation in EU R&I programmes
- HORIZON collaboration network

Other funding
€ 0,00

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MACGREGOR FINLAND OY
Finland

Net EU contribution
€ 308 000,00

Address
Hallimestarinkatu 6
20780 Kaarina

Region
Manner-Suomi > Etelä-Suomi > Varsinais-Suomi

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

Other funding
€ 0,00

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THIRD-PARTY

CARGOTEC FINLAND OY

Finland

Net EU contribution
€ 378 250,00

Address
Ruskontie 55
33710 Tampere

Region
Manner-Suomi > Länsi-Suomi > Pirkanmaa

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

Other funding
€ 0,00
MACGREGOR SWEDEN AB

Sweden
Net EU contribution
€ 532,250,00
Address
Jäntegrens gata 5
400 40 Göteborg
Region
Södra Sverige > Västsverige > Västra Götalands län
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
Other funding
€ 0,00

INSTITUT FUR SEEVERKEHRSWIRTSCHAFT UND LOGISTIK

Germany
Net EU contribution
€ 811,875,00
Address
Universitätsallee 11-13
28359 Bremen
Region
Bremen > Bremen, Kreisfreie Stadt
Activity type
Research Organisations
Links
Contact the organisation
Website
Participation in EU R&I programmes
HORIZON collaboration network
INSTITUT DE RECHERCHE TECHNOLOGIQUE SYSTEM X

France

Net EU contribution

€ 450,125,00

Address
2 bd thomas gobert
91120 Palaiseau

SME
Yes

Region
Ile-de-France > Ile-de-France > Essonne

Activity type
Research Organisations

Links
Contact the organisation
Participation in EU R&I programmes
HORIZON collaboration network

Other funding

€ 0,00

FUNDACION DE LA COMUNIDAD VALENCIANA PARA LA INVESTIGACION, PROMOCION Y ESTUDIOS COMERCIALES DE VALENCIAPORT

Spain

Net EU contribution

€ 490,312,50

Address
Avenida muelle del turia s/n
46024 Valencia

Region
Este > Comunitat Valenciana > Valencia/València
DUISBURGER HAFEN AKTIENGESELLSCHAFT

Germany
Net EU contribution € 131,250,00
Address Alte ruhrorter strasse 42-52 47119 Duisburg
Region Nordrhein-Westfalen > Düsseldorf > Duisburg, Kreisfreie Stadt
Activity type Private for-profit entities (excluding Higher or Secondary Education Establishments)

ENTWICKLUNGSZENTRUM FUR SCHIFFSTECHNIK UND TRANSPORTSYSTEME EV

Germany
Net EU contribution € 555,500,00
Address
Oststrasse 77
47057 Duisburg

SME
Yes

Region
Nordrhein-Westfalen > Düsseldorf > Duisburg, Kreisfreie Stadt

Activity type
Research Organisations

Links
Contact the organisation Website Participation in EU R&I programmes HORIZON collaboration network

Other funding
€ 0,00

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VOIES NAVIGABLES DE FRANCE

France

Net EU contribution
€ 408 775,00

Address
Rue Ludovic Boutleux 175
62408 Bethune

Region
Hauts-de-France > Nord-Pas de Calais > Pas-de-Calais

Activity type
Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)

Links
Contact the organisation Website Participation in EU R&I programmes HORIZON collaboration network

Other funding
€ 0,00
INSTITUT DU DROIT INTERNATIONAL DES TRANSPORTS

Europe
Net EU contribution
€ 260 975,00

Address
110, avenue du mont riboude
76000 Rouen

SME
Yes

Region
Normandie > Haute-Normandie > Seine-Maritime

Activity type
Other

Links
Contact the organisation
Participation in EU R&I programmes
HORIZON collaboration network

Other funding
€ 0,00

ENGITEC SYSTEMS INTERNATIONAL LIMITED

Cyprus
Net EU contribution
€ 471 250,00

Address
143 spyrou kyprianou avenue chrysanthou business c
3083 Limassol

SME
Yes

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
ASKO MARITIME AS

Norway

Net EU contribution
€ 356 250,00

Address
Tollbugata 1
3187 Horten

Region
Norge > Agder og Sør-Østlandet > Vestfold og Telemark

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

OTHER FUNDING

€ 0,00

ALLIANCE FOR LOGISTICS INNOVATION THROUGH COLLABORATION IN EUROPE

Belgium

Net EU contribution
€ 301 250,00

Address
Avenue jacques brel 38/0
1200 Bruxelles / brussel

Region
Région de Bruxelles-Capitale/Brussels Hoofdstedelijk Gewest > Région de Bruxelles-Capitale/Brussels Hoofdstedelijk Gewest > Arr. de Bruxelles-Capitale/Arr. Brussel-Hoofdstad

OTHER FUNDING

€ 0,00
**INLAND SHIPPING SRL**

Romania  
Net EU contribution  
€ 125 000,00  

Address  
Strada brailei 78 bloc br4a parter, camera 1  
800098 Galati  

Region  
Macroregiunea Doi > Sud-Est > Galați  

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

Other funding  
€ 0,00  

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**HAVEN VAN ANTWERPEN-BRUGGE**

Belgium  
Net EU contribution  
€ 112 000,00  

Address  
Zaha hadidplein 1  
2030 Antwerpen  

Other funding  
€ 0,00
ANTWERP MARITIME INFORMATION SYSTEMS ANTWERPSE MARITIEME INFORMATIESYSTEMEN

Belgium
Net EU contribution
€ 25 000,00

Address
Zaha hadidplein 1
2030 Antwerpen

Univerzitet u Beogradu - Saobracajni fakultet
Serbia
Net EU contribution
€ 127 000,00
**Vojvode stepe 305**
11000 Belgrade

**Region**
Србија - север > Београдски регион > Београдска област

**Activity type**
Higher or Secondary Education Establishments

**Links**
Contact the organisation
Website
Participation in EU R&I programmes
HORIZON collaboration network

**Other funding**
€ 0,00

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**KONGSBERG MARITIME AS**
Norway

Net EU contribution
€ 1 121 250,00

**Address**
Kirkegaardsveien 45
3605 Kongsberg

**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

**Other funding**
€ 0,00

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**KONGSBERG MARITIME FINLAND OY**
Finland
BUREAU VERITAS MARINE & OFFSHORE REGISTRE INTERNATIONAL DE CLASSIFICATION DE NAVIRES ET DE PLATEFORMES OFFSHORE

France

Net EU contribution
€ 152 437,50

Address
Tour alto, 4 place des saisons
92400 Courbevoie

Region
Ile-de-France > Ile-de-France > Hauts-de-Seine

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

Other funding
€ 0,00
AWAKE.AI OY
- **Finland**
- **Net EU contribution**: €248,550.00
- **Address**: Lemminkaisekatu 14-18, 20520 Turku
- **SME**: Yes
- **Region**: Manner-Suomi > Etelä-Suomi > Varsinais-Suomi
- **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](#)

**Other funding**: €0.00

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PIRAEUS CONTAINER TERMINAL SINGLE MEMBER SA
- **Greece**
- **Net EU contribution**: €129,500.00
- **Address**: Akti miaouli str 85, 18538 Piraeus
- **Region**: Αττική > Αττική > Πειραιάς
- **Activity type**: Private for-profit entities (excluding Higher or Secondary Education Establishments)

**Links**
- [Contact the organisation](#)
- [Participation in EU R&I programmes](#)
MACGREGOR NORWAY AS

Norway

Net EU contribution
€ 1 405 250,00

Address
Barstolveien 26
4636 Kristiansand s

Region
Norge > Agder og Sør-Østlandet > Agder

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

Other funding
€ 0,00

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European Union, 2023