



PREParE SHIPS - PREdicted Positioning based on Egnss for SHIPS

Fact Sheet

Project Information

PREPARE Ships

Grant agreement ID: 870239

[Project website](#) 

DOI

[10.3030/870239](https://doi.org/10.3030/870239) 

Project closed

EC signature date

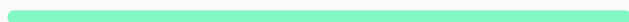
28 November 2019

Start date

1 December 2019

End date

31 May 2022



Funded under

INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies – Space

Total cost

€ 3 461 812,50

EU contribution

€ 2 975 060,00

Coordinated by

RISE RESEARCH INSTITUTES
OF SWEDEN AB



Sweden

This project is featured in...



Project description

Improving navigation for ships

Technology has long tried to simplify navigation on board and allow monitoring from ashore in order to increase maritime safety. The EU-funded PREParE SHIPS project aims at the development and demonstration of a collaborative resilience navigation solution. It plans to advance and enhance existing software solutions by exploiting the distinguished features of Galileo signals and also combine other nautical information on internal as well as external parameters and sensor technologies. This improved navigation system increases safety and efficiency significantly, and is intended to become the base of future autonomous operations. PREParE SHIPS will also implement perception layer sensor fusion that uses historical information gathered from the ship in similar conditions based on machine learning hybrid models.

Fields of science (EuroSciVoc)

[natural sciences](#) > [computer and information sciences](#) > [software](#)

[engineering and technology](#) > [electrical engineering](#), [electronic engineering](#), [information engineering](#) > [electronic engineering](#) > [sensors](#)



Keywords

[EGNSS](#)

[EGNSS Receiver](#)

[Resilient Positioning](#)

[Exchange of exact predicted positions](#)

[AI hybrid learning algorithms](#)

[Shore based surveillance](#)

[geo-fencing](#)

[RTK](#)

[Galileo E1](#)

[dynamic prediction](#)

Programme(s)

[H2020-EU.2.1.6. - INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies – Space](#)

MAIN PROGRAMME

[H2020-EU.2.1.6.3. - Enabling exploitation of space data](#)

Topic(s)

[LC-SPACE-EGNSS-1-2019-2020 - EGNSS applications fostering green, safe and smart mobility](#)

Call for proposal

[H2020-SPACE-EGNSS-2019-2020](#) 

[See other projects for this call](#)

Sub call

H2020-SPACE-EGNSS-2019

Funding Scheme

[IA - Innovation action](#)

Coordinator



RISE RESEARCH INSTITUTES OF SWEDEN AB

Net EU contribution

€ 1 170 312,00

Total cost

€ 1 170 312,50

Address

BRINELLGATAN 4

501 15 Boras

 Sweden 

Region

Södra Sverige > Västsverige > Västra Götalands län

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Participants (5)



SAAB AKTIEBOLAG

 Sweden

Net EU contribution

€ 339 893,00

Address

..

581 88 Linköping 

Region

Östra Sverige > Östra Mellansverige > Östergötlands län

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

€ 485 562,50



TELKO AS

 Norway

Net EU contribution

€ 293 562,00

Address

ODEKJAERVEIREN 27

3145 Tjome 

SME 

Yes

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](#) 

Total cost

€ 652 875,00

 **THIRD-PARTY** 

TELKO INTERNATIONAL AB

 Sweden

Net EU contribution

€ 163 450,00

Address

FISKEBACKS HAMN 32

426 58 Vastra Frolunda 

Region

Södra Sverige > Västsverige > Västra Götalands län

Activity type

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

Links

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

[HORIZON collaboration network](#) 

Total cost

€ 233 500,00



ANAVS GMBH

Germany

Net EU contribution

€ 338 843,00

Address

GOTTHARDSTRASSE 40

80798 Munchen

SME

Yes

Region

Bayern > Oberbayern > München, Kreisfreie Stadt

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

€ 484 062,50



LANTMÄTERIET

Sweden

Net EU contribution

€ 669 000,00

Address

Lantmaeterigatan 2C

801 82 Gävle

Region

Norra Sverige > Norra Mellansverige > Gävleborgs län

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](#) 

Total cost

€ 669 000,00

Last update: 19 December 2023

Permalink: <https://cordis.europa.eu/project/id/870239>

European Union, 2025