

1. Project description

A green east-west shipping corridor through the Baltic Sea. Short sea shipping is one of the most efficient and environmentally friendly ways to transport goods between European countries. Shipping can be even more sustainable, if we assist in the transition towards green zero-carbon fuels such as hydrogen, ammonia and methanol, which is produced from renewable electricity.

In the project we will create a green transport corridor for vessels sailing between ports in Northwestern Europe and ports in the Baltic States. We will build the infrastructure, which allows vessels to refuel with green zero-carbon fuels, and demonstrate vessels sailing on fuels such as hydrogen, ammonia or methanol.

Green fuels do not contain the same amount of energy per volume as traditional fuels; hence it will be necessary to ensure that vessels can refuel along the voyage between ports. Here Port of Roenne is ideally situated to be part of the green transport corridor and provide a refuelling stop for the more than 60,000 vessels that traverse the Baltic Sea every year.

The project will also ensure that there is supply of green hydrogen, ammonia and methanol available for the vessels. This can either happen through import of fuel from other projects or through local Power-to-X production based on renewable power, and it will depend on which of the two solutions that is most viable.

In this way, the project will help create a market for green hydrogen and derived products, as well as sector coupling with heavy transportation, which is one of the industries that are hard to decarbonize. As the project is spreading across at least three member states, the project will assist the transition to a green economy in EU.

Please select which part of the value chain for hydrogen your project focuses on (select one or more, where applicable):

Production	Transmission	Industrial application	Mobility	Energy	Housing application	Other
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

2. Partnerships and spillover effects

Port of Roenne and Ramboll have formed a partnership to create a green shipping corridor through the Baltic Sea, and we seek partners that will help realize the project.

On the demand side of the value chain, we are seeking relevant **ports** in Northwest Europe and the Baltic States that handle large amounts on either RoRo or container vessels. We would also like to form partnerships with **shipping lines** that sail with goods between the destination ports as well as **bunkering companies**, which typically store fuels and handles refueling operations in the ports. We are also seeking partners that **produce green hydrogen and refine it** to fuels like ammonia and methanol.

About Port of Roenne: The port located on Bornholm is expected to play a central role in the future Energy Island Bornholm. Port of Roenne is also homeport for the local ferry service, which could be a potential future customer of green fuels such as hydrogen, ammonia and methanol.

About Ramboll: An internationally known engineering consultancy company that has for example consulted about safety and risk management for the 1 GW green hydrogen and ammonia plant to be built in 2026 in Esbjerg, Denmark.