

**Interreg**  
Baltic Sea Region



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SMART GREEN MOBILITY

HyTruck

# Creating a network of Green HRS for Road Freight Transport in the Baltic Sea Region – The case of HyTruck

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Anja Fröhlich

[interreg-baltic.eu/project/hytruck](https://interreg-baltic.eu/project/hytruck)



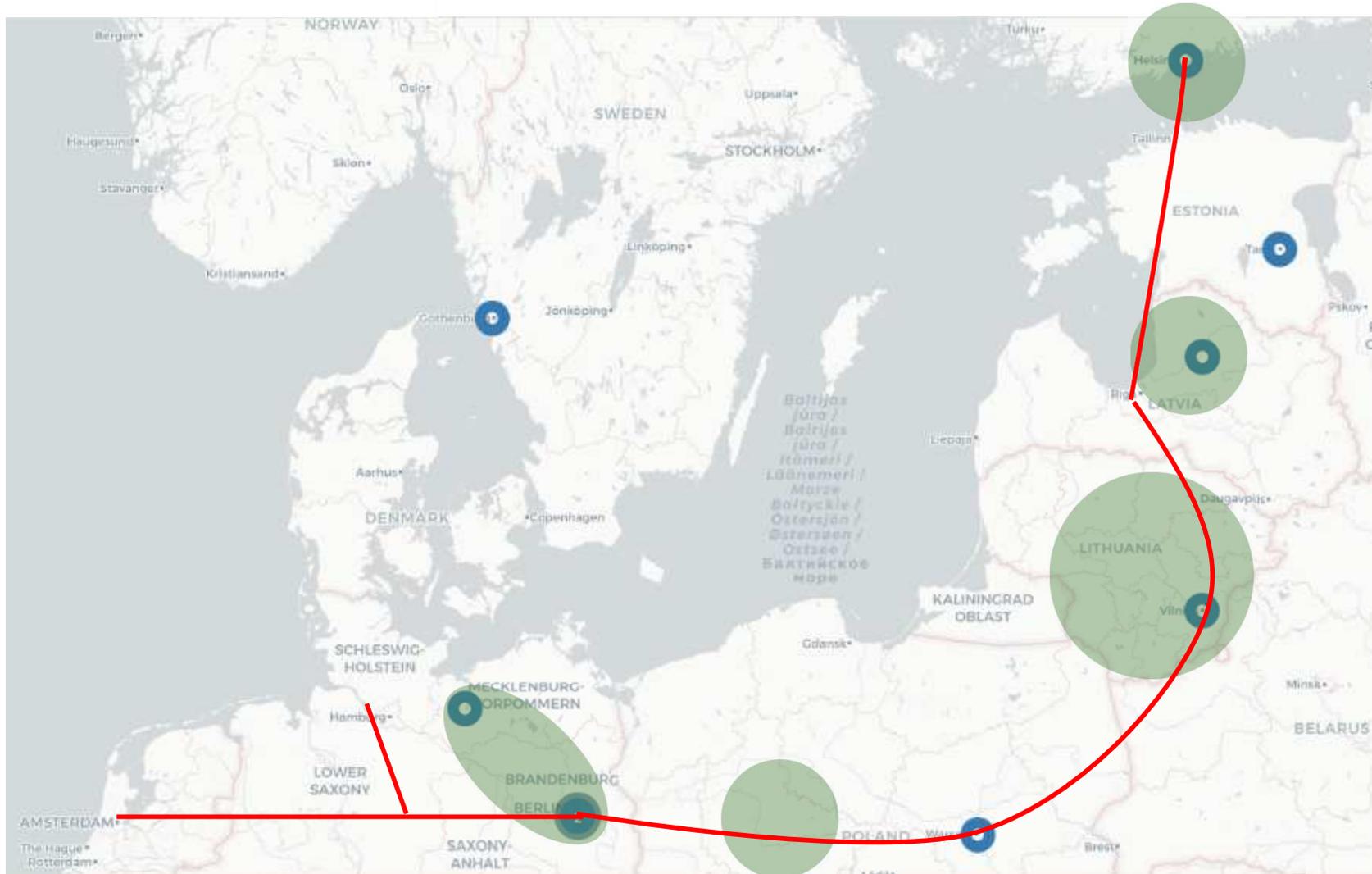
# Enabling clean road freight transport in the BSR by creating a transnational network of hydrogen refueling stations for trucks

## Framework:

INTERREG B project (Baltic Sea Region program)  
01/01/2023 to 31/12/25

## Main project objective:

Support public authorities in steering the development of a network of hydrogen refueling stations (HRS) suited for large trucks with harmonized standards across borders



# Challenges

## 1. Market Ramp-Up

Effort to streamline:

- (1) Technology / infrastructure providers (fuel stations, car manufacturers)
- (2) Customers (hawlers, bus companies)
- (3) public administration (permits, subsidies)

## 2. Uncertainty

Uncertain environment:

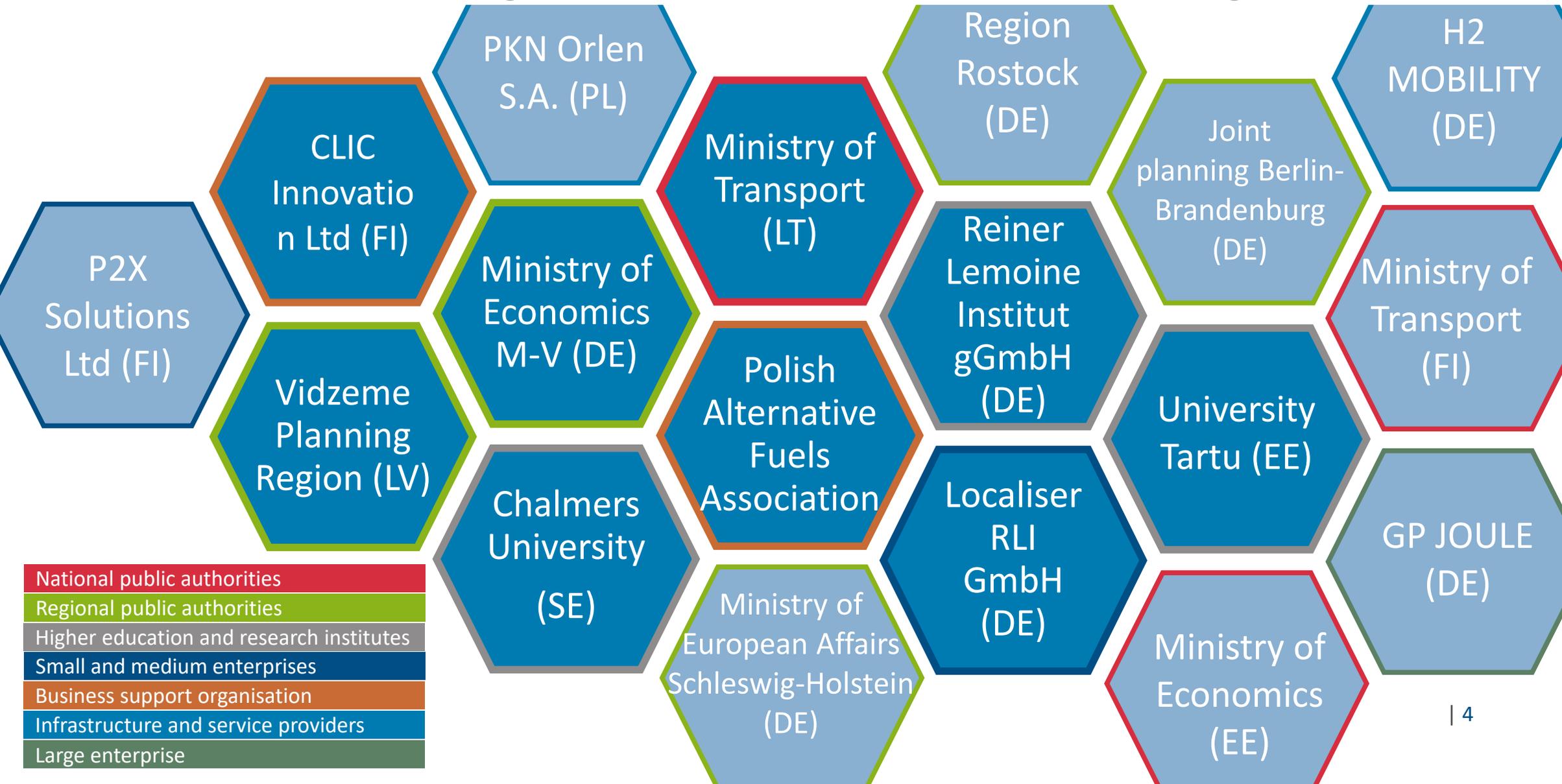
- Technological Standards
- Fuel Price Development
- H2 Demand
- H2 Availability
- ...

## 3. Spatial Complexity

Need for transnational collaboration adds layers of complexity

- What is the ramp up in other countries
- What is the transport flow coming from other countries
- Standards

# Consortium of partners and associated partners



# The Work Packages

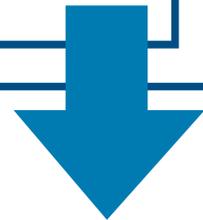
## **WP1: Determine the framework for HRS**

Locations / Economy / Technology & Safety



## **WP2: Piloting and evaluating solutions**

Spatial planning concepts



## **WP3: Transferring solutions**

communicate and transfer the ready solutions to your target groups

Platform / Funding Programmes / Regulatory Framework/ One stop shop

# Workpackage 1

**Leader: Chalmers University of Technology**

Group of Action	Titel	Leader	Period
GoA 1.1	Development of toolkit for determination of optimal locations for HRS in the BSR	University of Tartu	1 – 4
GoA 1.2	Economic and environmental factors for ramp-up of HRS	Chalmers University of Technology	1 – 4
GoA 1.3	Joint elaboration of BSR-wide protocol of technological standards	Polish Alternative Fuels Association	1 – 5
GoA 1.4	Guideline for planning HRS	Reiner Lemoine Institut gGmbH	2 – 4

# Workpackage 2

**Leader: Ministry of Economics, Mecklenburg-Vorpommern**

Group of Action	Titel	Leader	Period
GoA 2.1	Joint preparation of the parallel pilots for planning HRS	Ministry of Economics M-V	2 – 3
GoA 2.2	Parallel pilots: Development of a spatial planning concept for each pilot region	Vidzeme Planning Region	3 – 4
GoA 2.3	A transnationally agreed spatial development concept for HRS	Ministry of Economics M-V	4 – 5
GoA 2.4	Transnational Pilot: Harmonized technological standards for HRS	Ministry of Transport Lithuania	4 – 6

# Workpackage 3

## Leader: Vidzeme Planning Region

Group of Action	Titel	Leader	Period
GoA 3.1	One-stop shop for HRS planning in the BSR, i.e. to create ONE point of contact for ALL relevant target groups of the HyTruck project	Localiser RLI GmbH	2 – 6
GoA 3.2	Funding and policy programmes: ensuring financial and institutional support for outputs and deliverables of HyTruck by feeding them into relevant funding programmes and the relevant political and regulatory framework	Vidzeme Planning Region	5 – 6
GoA 3.3	Transnational exchange channel on HRS with events and partner meetings plus final conference as exchange platforms	CLIC Innovation Ltd.	1 – 6

# Deliverables

## Workpackage 1

- Digital spatial planning toolkit
- Over-arching assessment model for HRS planning
- Proposal for common technological standards
- Guideline for public authorities: “Roadmap to planning HRS infrastructure”

## Workpackage 2

- Five regional pilot implementation plans
- Five spatial planning concepts that lay the foundation for a comprehensive HRS infrastructure in the BSR (Rostock, Poznan, Kaunas, Vidzeme, Helsinki)

## Workpackage 3

- One-stop shop for HRS with cases, tools, guidelines, spatial plans
- Input to national and transnational funding and policy programmes
- Transnational exchange channel on HRS (info events, six partner meetings and a final conference)

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# Questions? Remarks?

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