

Project Compendium H₂ Port Infrastructure

as part of the EU project



**on behalf of the Rhineland-Palatinate
Ministry of Economic Affairs, Transport, Agriculture and Viticulture**

Presentation by Maren Schmitt, Transferstelle Bingen

- Founded in 1989 as an institute at the Bingen University of Applied Sciences
 - **Fields of activity:**
Municipalities, energy sector, trade and industry
 - **Topics:**
Renewable energy systems, rational energy utilisation, energy management and climate protection
 - **TSB today:**
 - 10 permanent employees + 6 freelancers (students)
 - Expertise of professors from various universities involved in projects
 - Nationwide projects with a focus on RLP
- **Around 50 completed energy projects per year**

Feasibility study (on the state of the art) of **costs, safety** and **feasibility** of the **hydrogen production** or **delivery, storage** and **operation** of hydrogen plants in ports as an alternative fuel for inland waterway vessels in preparation for implementation in Rhineland-Palatinate

- Project duration: 01.11.2023 - 31.10.2025 (24 months)
- Workplan:
 - WP 1 - **Evaluation of infrastructure** for H₂ refueling
 - WP 2 - **Scientific support** for the RH2INE project
 - WP 3 - Organisation of **workshops**
 - WP 4 - **Implementation recommendations**
 - WP 5 - **Conclusion** and **final report**

What we've already done

- **5 workshops** on H₂ port infrastructure topics in presence and online with presentations by experts
 - Creation of an international network of actors in the EU
 - Participants from the following nations took part: DE, NL, BE, CH, FR, AT, HU, ESP, LUX and SE
- **Online survey** for ports on the current status and ambitions regarding hydrogen
 - Basis for the development of a standardised hydrogen infrastructure
- started to write a **report with recommendations**
 - Roadbook for inland terminals



Upcoming event

- The last workshop will take place on **17 September 2025 in Mainz** at the River Rhine.



Picture by Inga Söllner

Target for 2026: Extension of the project

Further information:

Rhineland-Palatinate, Ministry of Economic Affairs, Transport, Agriculture and Viticulture

Study on the development of inland ports as hydrogen hubs

https://mwvlw.rlp.de/fileadmin/08/Broschueren/Abschlussbericht_H2-Binnenhafen_Studie.pdf (German language)



Thank you for your attention!



Contact

Maren Schmitt

+49 6721 98 424 – 228

m.schmitt@tsb-energie.de

Transferstelle Bingen

Berlinstraße 107a

55411 Bingen

www.tsb-energie.de

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