HyLand
Working with Regions in Germany

EU Hydrogen Valley Days 2024
Franz Lehner, Head of Division International Cooperation, NOW GmbH

Brussels, 17.06.2024
HyLand – Hydrogen Regions in Germany
Support for initiation, planning and implementation of integrated H2 concepts

HyLand I (first round)

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HyLand II (second round)

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### Category HyStarter

**Development of concepts and local stakeholder networks**

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- **24 supported regions**
- **141 strategy dialogues**
- **645 involved actors**
- **56 public events**
- **>600 bilateral exchanges**
- **24 concepts**

- Creation and enhancement of regional stakeholder networks
- Project development for production, distribution and utilisation of hydrogen
- Tools: Stakeholder management; H2Scout for Regions for calculation of regional supply and demand potentials
- Final report HyStarter II (Nov 2023)

**Completion** of phase II in Q4/2023

**Funding support:** ca. 200,000 € per region

*HyStarters received support services from: Energy Engineers GmbH, Spilett new technologies GmbH, Nuts One GmbH*
HyStarter phase II: Fifteen reports on the results
# Category HyExperts
Consulting and planning support for ready to implement regional hydrogen concepts

- Commissioning of detailed feasibility studies, ready for implementation
- In depth concepts and calculations, definition of interfaces, preparation for implementation
- Regions provide and exchange insight into challenges and solutions and aim to become national and international role models

| 28 supported regions | >300 involved actors | 282 MW installed capacity by 2025 | 14 new HRS by 2025 | >500 vehicles by 2025 | 28 studies |

Completion in Q4/2023

Funding support: 400,000 € per region

Total budget HyExperts: ca. 6 million €
Category HyPerformer
Investment support for projects along the value chain of hydrogen for transport applications

| 3 supported regions | 13 applications in Phase II | >50 involved actors | 10 MW total electrolyser capacity | 11 HRS and 3 trailer stations | 85 vehicles |

- Deployment of >10MW electrolyser capacity for production of green hydrogen.
- Deployment of hydrogen refuelling and trailer supply infrastructure.
- Operation of local bus routes, refuse trucks, passenger cars and light duty trucks.

**Duration:** ca. 5 years per project

**Support:** 20 million € per HyPerformer in Phase I

**Total investment:** HyPerformer Phase I regions ca. 183 million € (of which 60 million € funding)
The Rhine Neckar region is one of the economic powerhouses of Germany, hosting companies such as BASF and SAP.

Hydrogen is a key component of economic development, especially for locally based companies such as Daimler Truck and Freudenberg.

HyPerformer makes hydrogen technologies visible and demonstrates the entire value chain for mobility applications.

Distributing industrial H₂, production of 250 t/a from 2 MW electrolysis

High capacity refilling centre, 12 trailers and 5 HRS

Cars and LDVs, 52x18m and 10x12m buses, communal HDV

52,2 Mio. € total investment
250 t average demand H₂/a
Lessons learnt
Experience gained from implementation of projects

- Some delays due to the Covid pandemic
- Lack of regulations (e.g. definition of green hydrogen, standards for trailer-HRS interface)
- Lack of specific components
- Often tailor-made solutions needed in close collaboration with the suppliers
- Close collaboration with local authorities → often hydrogen is new territory
- High level of commitment of all stakeholders to make joint progress and learn, and strong political support.
- Projects suffer from a lack of vehicle supply availability
- Long lead times, but important to get started and react to changes on the go.
Hyland network activities

HyExperts and HyStarter Events

Workshops and Networking

Public Relations
COMEB VISIT US ON OUR WEBSITE

www.Hy.Land

- Description of all regional projects
- Download the results and stay up to date on the activities →
Vielen Dank

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