

COMPANIES AND RESEARCH INSTITUTIONS

- > AVL Software and Functions GmbH
- > AVQ GmbH
- > Bärnreuther + Deuerlein Schotterwerke GmbH & Co. KG
- > Bertrandt Technologie GmbH
- > Ceramic Precision GmbH
- > CHP Messtechnik GmbH
- > das Stadtwerk.Regensburg GmbH
- > DB Regio Bus
- > Deutsche Messe AG
- > EDV- und Elektrotechnik Hardy Barth GmbH
- > enders GmbH
- > enfas GmbH
- > Esy-Labs GmbH
- > e-trofit GmbH
- > Évolution Synergétique GmbH
- > Fraunhofer-Institut für Integrierte Systeme und Bauelementetechnologie IISB
- > Grob-Werke GmbH & Co. KG
- > Hoerath GmbH
- > Hyperthermics Regensburg GmbH
- > HyStarter Region
- > Microfuzzy GmbH
- > Mühlbauer GmbH & Co. KG
- > Ostbayerische Technische Hochschule Amberg-Weiden
- > Ostbayerische Technische Hochschule Regensburg
- > REWAG Regensburger Energie- und Wasserversorgung AG & Co. KG
- > SD Performance GmbH
- > Technische Hochschule Deggendorf
- > Technische Hochschule Nürnberg Georg Simon Ohm
- > Vitesco Technologies GmbH
- > Wasserstoff-Region Landshut e. V.
- > Ziehl-Abegg SE

WOULD YOU LIKE TO PARTICIPATE?

The network is open to further partners who together with other companies and research institutions develop innovative solutions.

CONTACT

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The network HY2.ZERO is managed by the city's subsidiary R-Tech GmbH, based in the TechBase.

Status: February 2022

Project promoter:

VDI/VDE Innovation & Technik GmbH



Gefördert durch:



aufgrund eines Beschlusses
 des Deutschen Bundestages

NETWORK HY2.ZERO

MOBILITY NEEDS HYDROGEN

MOBILITYLOGISTICS.DE/HY2ZERO

FOCUS AREAS

The **HY2.ZERO** innovation network aims to support the industrialization of hydrogen and fuel cell technologies through new and improved solutions and is thus part of the market ramp-up.

New drive technologies, such as electric drives, play a central role in achieving climate protection targets: **Reducing CO₂ emissions in the transport sector** by 40 % by 2030 compared to 1990 will only be possible if the use of alternative drive systems and energy sources becomes an essential component. Hydrogen-powered fuel cell vehicles represent a solution approach for the mobility sector, since fuel cell vehicles offer a greater range and at the same time a greater payload than battery-powered vehicles and can therefore be used not only in passenger cars but also in commercial vehicles and local public transport. At present, there are still considerable disadvantages to a market ramp-up, such as the comparatively low efficiency of fuel cell systems, the lack of hydrogen filling station infrastructure and the high purchase price.



Uwe Pfeil
Cluster Manager
Cluster Mobility & Logistics

DEVELOPMENT LINES AND PROJECTS

The network brings together specialists from various fields in joint R&D projects to develop innovative solutions focusing on the following topics:

These network projects include

- **Fuel cell manufacturing technologies**
(development line 1),
- **Fuel cell system components**
(development line 2)
- and **on-site hydrogen generation technologies**
(development line 3).

In addition, the solutions developed in the network are to be tested in real laboratories.

RESEARCH AND DEVELOPMENT PROJECTS

- Organization and implementation of workshops
- Exchange of knowledge, technology, contacts and ideas
- Development of project concepts
- Formation of project consortia
- Selection of suitable funding
- Coordination with project sponsors
- Support for ongoing projects
- Direct access to the members and cooperation partners of the cluster for targeted networking
- Joint application and demonstration projects

MARKETING AND PUBLIC RELATIONS

- Reports about the network on the website, in social media, flyers, in the newsletter and in trade media
- Organization of trade fair booths
- Organization of workshops, e.g. with users
- Events with cooperation partners
- Use of the online job exchange and the job wall in the TechBase
- Network podcast



**MOBILITÄT
BRAUCHT
WASSERSTOFF**

