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Introduction to

Center Hydrogen.Bavaria (H2.B) and

Hydrogen Alliance Bavaria

June 2022

Initiiert durch



Bayerisches Staatsministerium für
Wirtschaft, Landesentwicklung und Energie

Center Hydrogen.Bavaria and Hydrogen Alliance Bavaria



Center Hydrogen.Bavaria (H2.B)

State-financed strategy and coordination center for hydrogen related topics in Bavaria

Goals:

- ▶ Strengthening the Bavarian hydrogen economy
- ▶ Rollout of hydrogen use in a broad range of applications

Tasks:

- ▶ Strategy & Roadmap development
- ▶ Demonstration & Analysis
- ▶ Public Relations & Networking
- ▶ Coordination of the Hydrogen Alliance Bavaria

Coordination



Hydrogen Alliance Bavaria

Networking, information and interest platform for hydrogen players in Bavaria

Number of partners: > 260 H2 players

Goals:

Networking, cooperation, information

Tasks:

- ▶ Workshops (for networking & information)
- ▶ Technological matchmaking
- ▶ Infoletter
- ▶ Delegation visits

Competencies & Industries in the Hydrogen Alliance

- Diverse alliance with > 260 partners
- Variety of activities and interests
- Cross section of the economy
 - Self-employed professionals
 - Research institutes
 - Medium-sized businesses
 - Large corporations
 - Financial companies & Investors
- Market and technology leaders of various industries



Hydrogen Alliance Bavaria



269 Alliance partners

- 219 Companies
- 20 Research institutions/ universities
- 24 Associations / clusters / communities of interest
- 7 Other organizations



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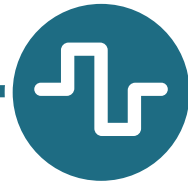


The Bavarian Hydrogen Strategy

Strategy Process



May 2020: Position Paper on H2 in Bavaria



May 2020: Bavarian Hydrogen Strategy



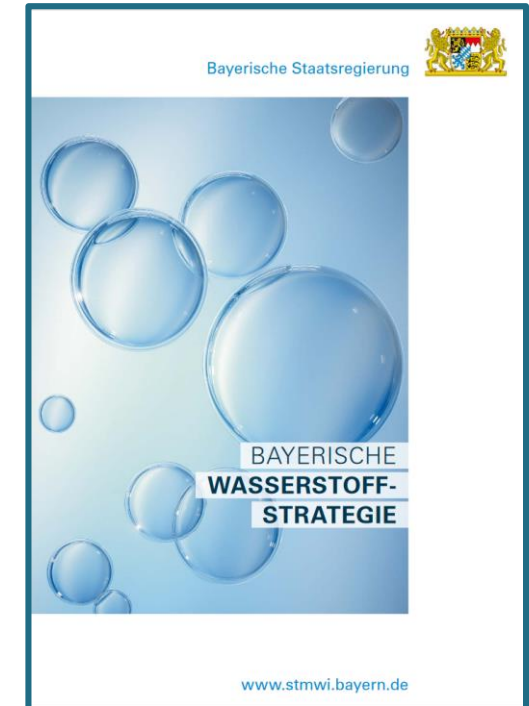
April 2022: Hydrogen Roadmap Bavaria



<https://h2.bayern/en/bavarian-hydrogen-strategy/>

The Bavarian Hydrogen Strategy

- Publication by the StMWi in May 2020.
- Strong focus on green hydrogen and H2 in mobility
- Hydrogen import to Bavaria and technology export
- Implementation steps (excerpt):
 - Hydrogen research offensive "H2 Hightech Bavaria"
 - Establishment of development, test and user facilities
 - Funding guidelines for hydrogen filling stations
 - Expansion of Bavarian hydrogen model regions and demonstration projects

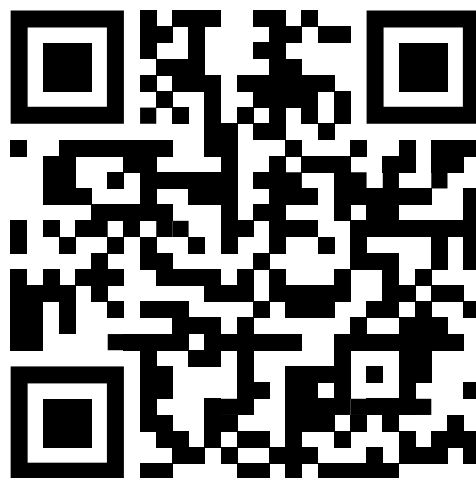


<https://h2.bayern/en/bavarian-hydrogen-strategy/>

Hydrogen Roadmap Bavaria

- Publication by the H2.B in April 2022
- Goals:
 - Identification of perspectives, concrete needs for action and important milestones for the rollout of hydrogen in Bavaria
 - Estimation of possible hydrogen consumption in Bavaria

Download as PDF:
(Executive summary in English)



<https://h2.bayern/en/bavarian-hydrogen-strategy/hydrogen-roadmap-bavaria/>

Hydrogen Roadmap Bavaria: Key points



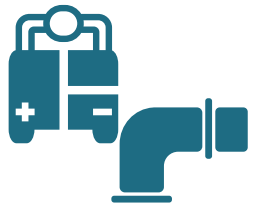
Hydrogen consumption

Cumulative demand up to 2040: 33-75 TWh; mainly mobility, petrochemicals, power and heat generation



Science location

Outstanding expertise of Bavarian universities and colleges, especially in electrolysis, H2 storage and conversion.



Hydrogen supply

Connection to the international hydrogen network by 2030; expansion of electrolysis capacity to 1 GW by 2030



Regulatory framework

Creation of an investment-friendly environment, acceleration of approval procedures



Business location

Great opportunities for export-oriented Bavarian industry. Strong position in the field of hydrogen technologies.



Demonstration projects

Targeted support of projects to test technologies under real conditions and generate regional spill-over effects

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