



# Green Hydrogen Pilots in Germany



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The following sources provide an overview on promising Green Hydrogen Pilot Projects in Germany. As the demand for hydrogen in industrial applications is expected to increase from a current level of 55TWh to 90-110TWh by 2030, it will take significant investment to switch from grey to green hydrogen while increasing the supply at the same time. Government of Germany aims at 10 GW electrolyzer capacity installed by 2030. Even with this capacity installed around 80%-90% of green hydrogen would still need to be imported.

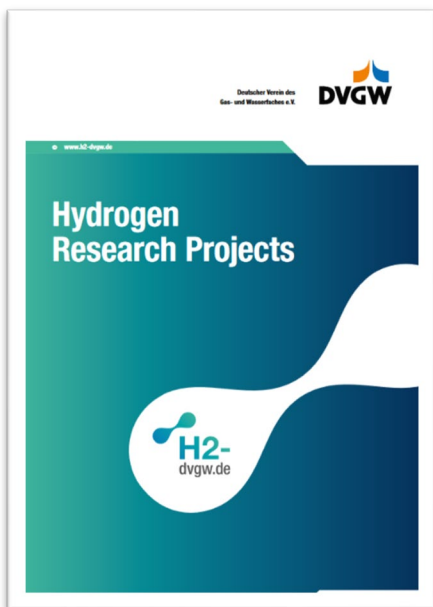
## Selected Green Hydrogen Pilots in Germany by GTAI

The following video by Germany's Govt. owned Investment Agency Germany Trade and Invest (GTAI) highlights promising green hydrogen pilots in Germany.



Source: <https://www.youtube.com/watch?v=OXPCOIooBY>

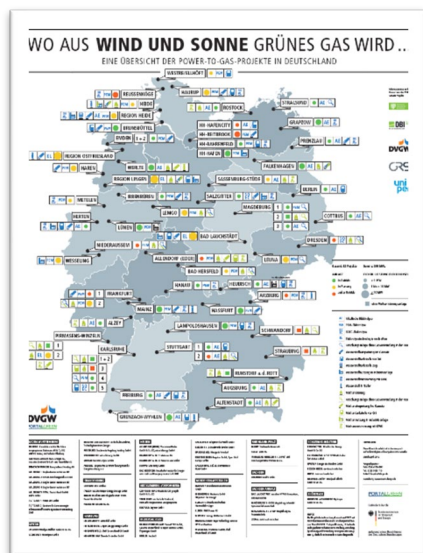
## 22 hydrogen pilots by DVGW



A booklet by the German Association for Natural Gas and Water, the DVGW (Deutscher Verein des Gas- und Wasserfachs e. V.) provides an overview of the current hydrogen research projects in which the association is involved. The 22 projects presented cover a wide thematic scope – from an analysis of the hydrogen tolerance of individual gas appliances through to the preparation of an approval guideline for power-to-gas plants.

Source: <https://www.dvgw.de/medien/dvgw/leistungen/publikationen/dvgw-h2-wasserstoff-forschungsprojekte-broschuere-en.pdf>

## Map of Power-to-X pilots by DVGW



A map of power-to-x projects in Germany was published by the German Association for Natural Gas and Water, the DVGW (Deutscher Verein des Gas- und Wasserfachs e. V.). What makes this map so special is the classification into different applications.

Source: <https://www.dvgw.de/medien/dvgw/verein/energiewende/bilder/karte-power-to-gas-anlagen.pdf>

