

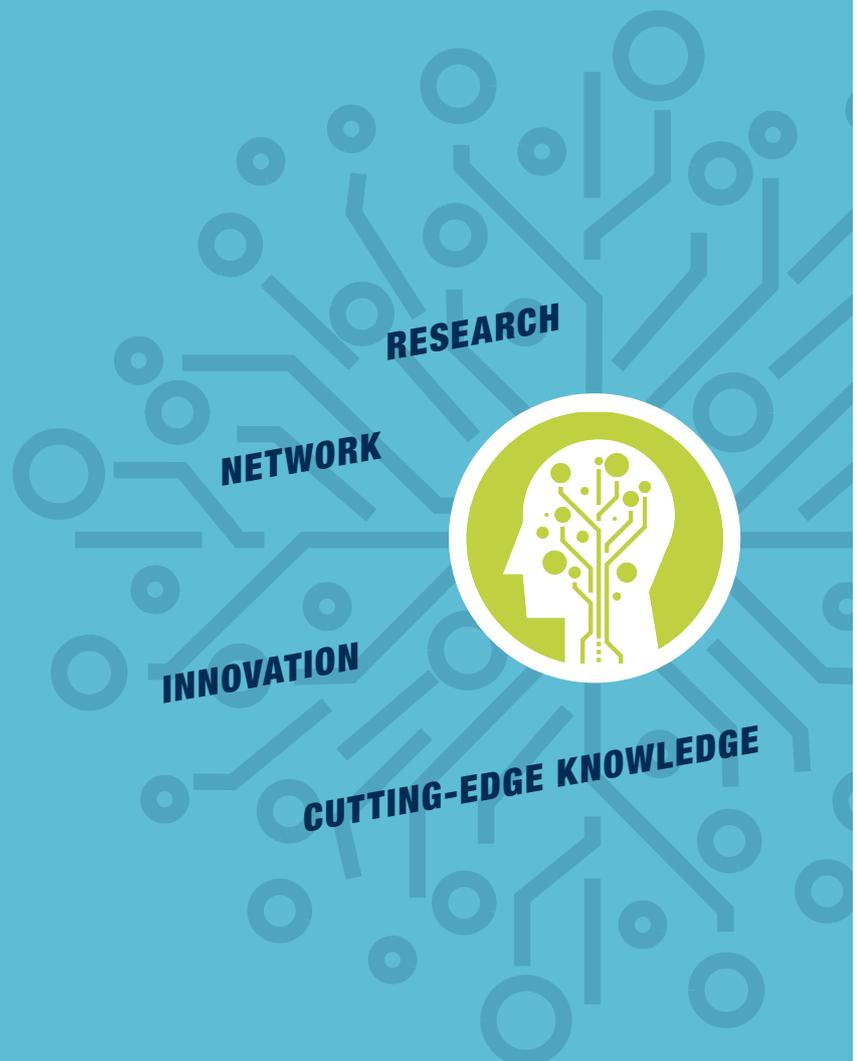
# DVGW Research Network

## Movers and Shakers of the Gas and Water Industries Thanks to Scientific-Technological Excellence

**DVGW**  
2025

**STRATEGIE**

- ➔ The research institutes of DVGW – the German Technical and Scientific Association for Gas and Water – combine the scientific expertise from University and College partnerships with the practical expertise from the gas and water industries. The competences of the different institutes are complementary and, together with national and European partners, they form a comprehensive network covering the entire field of energy and water.
- ➔ The research work done by DVGW including systemic innovation management creates the basis for further technological advances in the energy and water industries, furthers the setting of technical regulations and standardisation, and ensures the scientific quality of the DVGW's public statements.

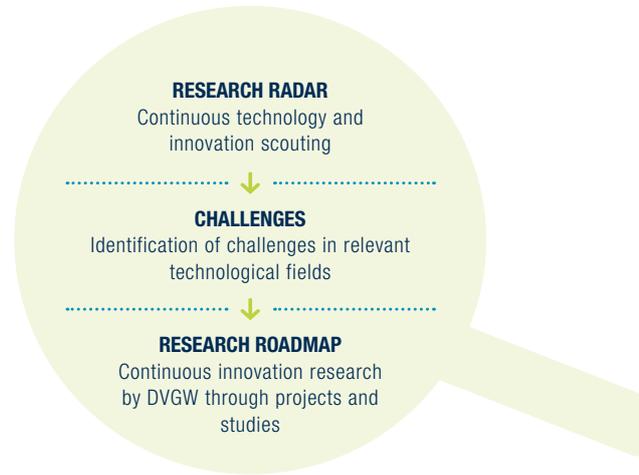


# FIVE GOOD CASES FOR INTENSE DVGW RESEARCH IN THE NETWORK

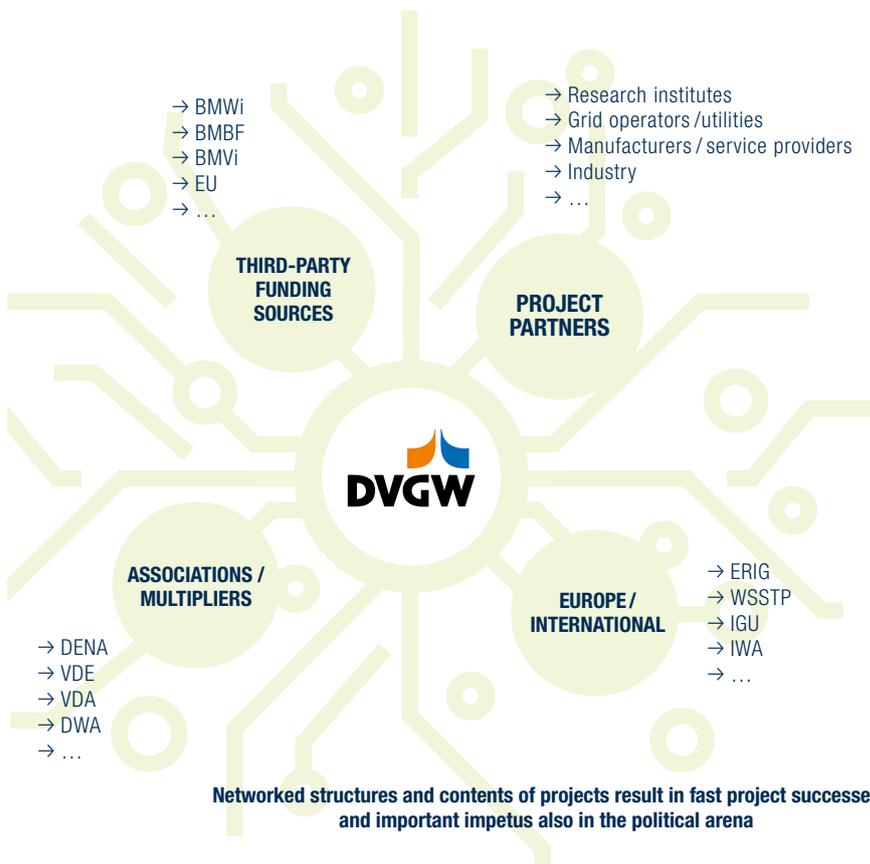
# 1

## Networking Leads to Speed, Quality, and Multiplication

National and international research collaborations have a considerable leverage: On the one hand, the DVGW's own research budget can be increased many times over by raising third-party funds and by initiating joint research projects. On the other hand, a larger number of projects or broader project scopes result simultaneously in increasing scientific-technological expertise and available knowhow.



From research radar to a roadmap for research



Networked structures and contents of projects result in fast project successes and important impetus also in the political arena

# 2

## Challenges and Research Needs are Recognized Early On

The DVGW's permanent technology and innovation scouting contributes to identifying challenges early on and to proactively initiate the relevant research projects. On the one hand, this serves as a basis for the DVGW to further strengthen its research relevance; on the other, it serves as an indicator for considering the impact on technical regulations in good time. Simultaneously it provides the basis for expanding the collaboration with new partners from both the energy and water research fields.

### Current examples of the DVGW research network



**Water Innovation Circle**  
Research memorandum for the water industry together with DWA: Identification of five central fields of research along the entire water cycle.



**STORE&GO**  
Trailblazing joint project of the European Union for the storage of electrical power from renewables through power-to-gas with 27 project partners from all of Europe under the lead of DVGW (funding € 28 million).



**Global Water Research Coalition (GWRC)**  
The GWRC is an alliance of 14 reputable international water management research organisations. The GWRC aims to exchange knowledge at an international level beyond European borders, including

the coordination and cooperation of water research activities of global significance. The network creates a strong worldwide partnership. It generates and provides impetus for the DVGW's water research activities. The GWRC collaborates with the "International Water Association" (IWA).



# The DVGW research facilities

➔ **Gas- und Wärme-Institut Essen e. V., Essen**  
Dr.-Ing. Rolf Albus  
[www.gwi-essen.de](http://www.gwi-essen.de)

➔ **IWW Water Centre Rheinisch-Westfälisches Institut für Wasserforschung gGmbH, Mülheim a. d. Ruhr**  
Dr. Wolf Merkel  
[www.iww-online.de](http://www.iww-online.de)

➔ **DVGW headquarters, Bonn**  
Technology and innovation management  
Frank Gröschl  
[www.dvgw.de](http://www.dvgw.de)

➔ **TZW: DVGW Technology Centre Water, Karlsruhe and Dresden branch**  
Dr. Josef Klinger  
[www.tzw.de](http://www.tzw.de)

➔ **DVGW Research Centre at Engler-Bunte-Institut of Karlsruhe Institute of Technology (KIT), Karlsruhe Gas engineering department**  
Gas engineering department  
Prof. Dr.-Ing. Thomas Kolb  
[www.dvgw-ebi.de](http://www.dvgw-ebi.de)

➔ **DVGW Research Centre at Engler-Bunte-Institut of Karlsruhe Institute of Technology (KIT), Karlsruhe Water engineering department**  
Water engineering department  
Prof. Dr. rer. nat. Harald Horn  
[www.dvgw-ebi.de](http://www.dvgw-ebi.de)

➔ **DVGW Research Centre at Engler-Bunte-Institut of Karlsruhe Institute of Technology (KIT), Karlsruhe Combustion engineering department**  
Combustion technology department  
Prof. Dr.-Ing. Dimosthenis Trimis  
[www.dvgw-ebi.de](http://www.dvgw-ebi.de)

➔ **DVGW Research Centre TUHH – TZW branch at Hamburg-Harburg University of Technology, Hamburg**  
Prof. Dr.-Ing. Mathias Ernst  
[www.tu-harburg.de](http://www.tu-harburg.de)

➔ **DBI Gas- und Umwelttechnik GmbH, Leipzig**  
Prof. Dr.-Ing. Hartmut Krause  
[www.dbi-gut.de](http://www.dbi-gut.de)

➔ **DBI Gastechnologisches Institut gGmbH Freiberg, Freiberg**  
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*Please do not hesitate to contact us anytime if you have questions or recommendations regarding the DVGW research network.*