
















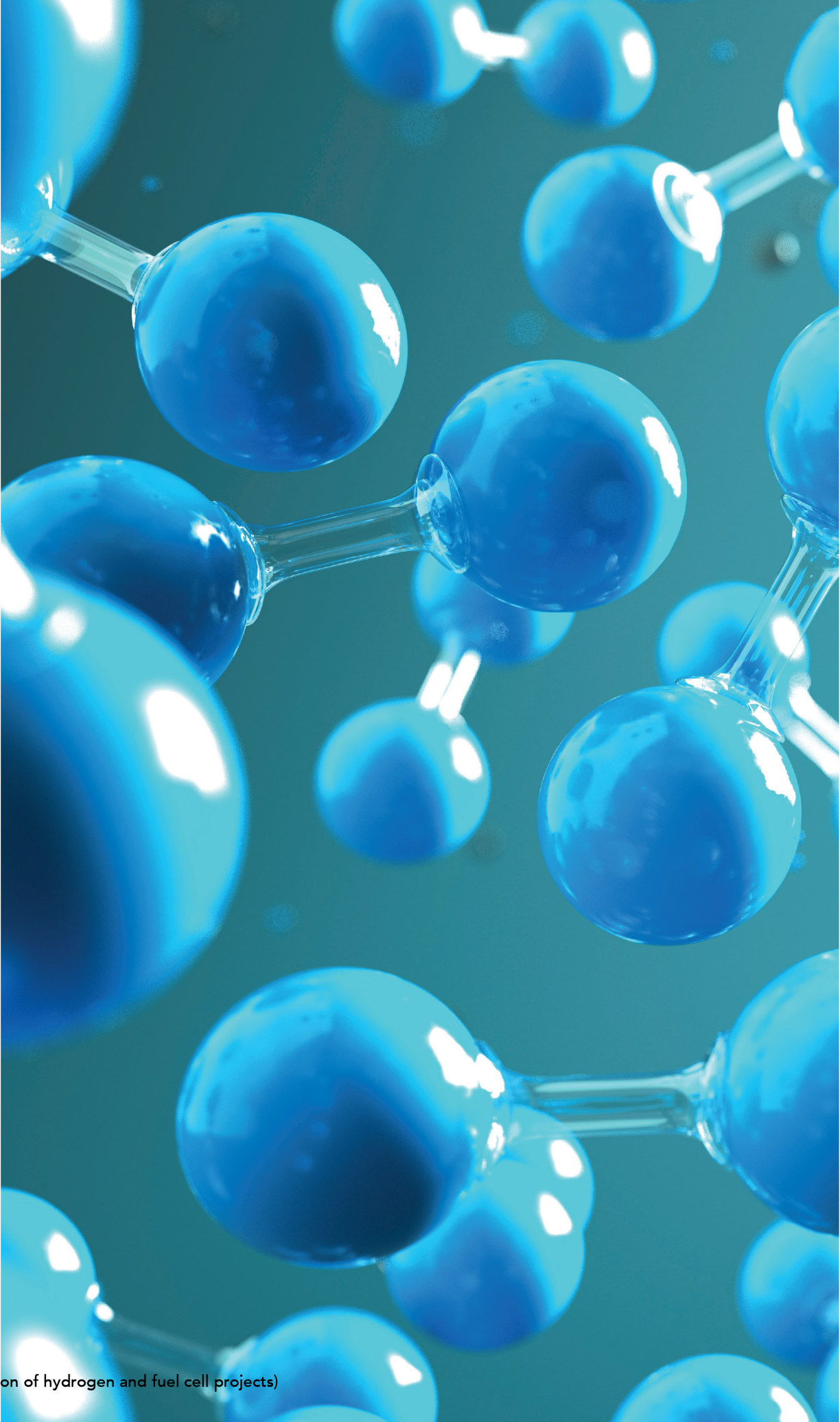




















# Hydrogen expertise in Germany's Saarland and the surrounding region

	Recirculation pumps, air compressors, dosage valves for fuel cells, stationary fuel cells
	Municipal hydrogen initiative
	Cross-border transport of hydrogen in the Greater Region
	Hydrogen strategy for commercial vehicles (competence network)
	Sensor systems for hydrogen purity, embrittlement and storage
	Filling level meters in hydrogen tanks
	Quality assurance for fuel cell components
	Plant engineering for the production of fuel cell components, involvement in various research groups
	Gas filters and measuring cells for checking H2 cleanliness in 700 bar hydrogen filling stations, valves, sensors
	Assembly systems for fuel cells
	Media-conducting lines for hydrogen vehicles
	Energy-efficient systems using stationary fuel cells
	Methanation of hydrogen, development of hydrogen-resistant pressure sensors
	Seawater desalination using hydrogen
	Handling bipolar plates and films
	Pressurised storage of hydrogen
	GenComm project electrolysis and H2 filling station

gwSaar in cooperation with saaris | automotive.saarland (Coordination of hydrogen and fuel cell projects)



Electrochemical storage: PEM fuel cells and redox flow batteries	
H2 hybrid buses (battery / fuel cell)	
Centre of excellence for fuel cells with fuel cell test facility	
Manufacturing pressure vessels H2 production & storage	
Valves for hydrogen tanks and gas filling stations	
Development and production test facilities for fuel cells	
Prototype construction for fuel cell cases	
Public transport, H2 buses and rail transport	
Bipolar plates for fuel cell stacks	
Steel production using hydrogen-containing coke oven gas	
HydroHub Fenne, hydrogen production on an industrial scale	
Stationary fuel cells and hydrogen supply	
Hydrogen infrastructure and filling stations in Homburg	
Hydrogen/oxygen fuel cells (Green hydrogen/steel)	
Water electrolysis at sewage treatment plants	
Sensor systems for H2 leak detection	
Assembly automation for fuel cells	
Innovative drive systems, electromobility, alternative fuels	
Developing production systems for fuel cells, electrolyzers, refuelling systems	