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 Ampulz B.V. Coevorden, Netherlands	Power supply solutions
 Arco FC Srl Sasso Marconi, Italy	Fuel cells stack, lithium battery packs, fuel cell system
 AREVA H₂Gen Les Ulis, France	PEM electrolyser
 AVL List GmbH Graz, Austria	Development, simulation and testing solution for fuel cell applications
 balticFuelCells GmbH Schwerin, Germany	Fuel cell test system - quickCONNECT fixture Liquid Cooled and High Amp / SuSy500 fuel cell subsystem 500W
 Borit NV Geel, Belgium	Metal bipolar plates and interconnects, flow plates for cooling applications
 BOSAL Energy Conversion Industry Vianen, Netherlands	High performance heat exchangers
 Dr.-Ing. K. Busch GmbH Maulburg, Germany	Compressors
 Buschjost GmbH Bad Oeynhausen, Germany	High pressure valves, pressure regulators, motorized valves, process valves
 Business France Paris, France	International business development in France and throughout the world
 Canadian Hydrogen and Fuel Cell Association Vancouver, BC, Canada	Industry Association
 Carbotainer S.L. Zaragoza, Spain	Carbon fibre cylinders and bundles + Custom lightweight storage solutions
 Celeroton AG Volketswil, Switzerland	Turbo compressor systems for oil and lubricant free air supply of fuel cells, converters for controlling high speed compressors
 Charles University Faculty of Mathematics and Physics Praha, Czech Republic	Fuel cell testing station, hydrogen powerbox (h ₂ driven power generator for various applications), AirCell (research PEM single cell)
 Chungnam Techno Park Cheonan-City, Chungnam, Korea	tbd
 Colorado Office of Economic Development and International Trade Denver, USA	tbd
 Combined Energies LLC	Power electronics, HT PEM fuel cell systems

Latham, NY, USA	
 Dana Incorporated Maumee, OH, USA	Balance of plant, hydrogen reformers and stack components
 DBI - Gastecnologisches Institut gGmbH Freiberg Freiberg, Germany	tbd
 DBI Gas- und Umwelttechnik GmbH Leipzig, Germany	Components for fuel cell heating appliances
 Deutscher Wasserstoff- und Brennstoffzellen-Verband e.V. (DWV) Berlin, Germany	Association providing information, expertise and networking in the field of hydrogen and fuel cells
 DiLiCo engineering GmbH Magdeburg, Germany	Measuring technology for fuel cells, electrolysers and batteries
 DLR e. V. - Institut für Technische Thermodynamik Stuttgart, Germany	Fuel cells, electrolysis, innovative components
 DLR e. V. - Institut für Vernetzte Energiesysteme / Institute of Networked Energy Systems Oldenburg, Germany	Systems, system components, diagnostic
 DTU Energy Lyngby, Denmark	Testing cells, stacks, components; fuel cells, electrolysis and batteries
 Eason Industrial Engineering Co., Ltd Suzhou, Jiangsu, P.R. China	Water electrolysis hydrogen generator
 EBZ Entwicklung- und Vertriebsgesellschaft Brennstoffzelle mbH Dresden, Germany	Components and testing solutions for fuel cells and electrolyser systems
 Eisenhuth GmbH & Co. KG Osterode am Harz, Germany	Bipolar plates, test systems, gaskets
 EMCEL GmbH Köln, Germany	H2-Quality Measurement, Monitoring System Engineering Services, Feasibility Studies
 Enapter Berlin, Germany	Hydrogen generators, electrolysers, AEM
 EnergieAgentur.NRW GmbH Düsseldorf, Germany	Hydrogen/fuel cells: network services
 Energy Saxony e.V. Dresden, Germany	Fuel cell technologies and systems for the generation and storage of hydrogen, automation solutions, simulation tools
 ErreDue S.p.A. Livorno, Italy	Hydrogen generators, hydrogen purifiers
 Eugen Seitz AG	High-pressure solenoid valves for hydrogen

Wetzikon, Switzerland	from 350 (500) bar to 700 (1000) bar
 Faurecia Nanterre, France	Hydrogen Storage System, Fuel Cell System
 FCP Fuel Cell Powertrain GmbH Chemnitz, Germany	Modular and scalable Fuel Cell System for Heavy Duty Applications
 Feintool Technologie AG Lyss, Switzerland	Bipolar plates, Fineblanking-, Forming and Electro sheet parts
 FES GmbH Fahrzeug-Entwicklung Sachsen / Auto-Entwicklungsring Sachsen GmbH Zwickau, Germany	Fuel cell powered forklift, commercial vehicle frontend with integrated fuel cell
 FEST GmbH Goslar, Germany	tbd
 FISCHER Spindle Group Herzogenbuchsee, Switzerland	Electrically driven turbo compressors for fuel cells
 Framatome GmbH Erlangen, Germany	System integrator for hydrogen and battery storage solutions
 Fraunhofer Institute for Machine Tools and Forming Technology IWU Chemnitz, Germany	tbd
 Fraunhofer-Institut für Keramische Technologien und Systeme IKTS Dresden, Germany	Ceramic-based components and systems for the generation of renewable hydrogen and syngas as key enabler for hydrogen economy
 Fraunhofer-Institut für Mikrostruktur von Werkstoffen und Systemen IMWS Halle, Germany	Battery simulation and emulation, virtual battery, testing system for electro mobility, battery management systems, battery model
 Fraunhofer-Institut für Mikrotechnik und Mikrosysteme IMM Mainz, Germany	Reformers, heat exchangers
 Fraunhofer-Institute for Manufacturing Technology and Advanced Materials IFAM Dresden, Germany	AEL and AEM electrodes, electrocatalysts, metal hydride storage systems, MOF adsorption storage systems, hydrogen generators, POWERPASTE-based power generators
 Fraunhofer-Institute for Solar Energy Systems ISE Freiburg, Germany	Fuel cells systems, electrolysis
 Giner ELX Inc. Newton, MA, USA	Electrolyser stacks and systems
 GKN Powder Metallurgy Radevormwald, Germany	Metal-based seasonal hydrogen energy storage for renewables - high power density @low_pressure (10-40 bars) - 100% recyclable - Energy range from 80 kWh - 66

 [Graebener Maschinenteknik GmbH & Co. KG](#)

Netphen-Werthenbach, Germany

 [GreenHydrogen Systems](#)

Kolding, Denmark

 [Greenlight Innovation](#)

Burnaby, BC, Canada

 [Greenlight Innovation GmbH](#)

Rheinau, Germany

 [GSR Ventiltechnik GmbH & Co. KG](#)


Vlotho, Germany

 [H-TEC SYSTEMS GmbH](#)

Augsburg, Germany

 [H₂ MOBILITY Deutschland GmbH & Co. KG](#)

Berlin, Germany

 [H₂BZ Wasserstoff- und Brennstoffzellen-Initiative](#)

[Hessen e.V.](#)

Wiesbaden, Germany

 [Haskel Europe](#)

Sunderland, United Kingdom

 [Helbio SA](#)

Rio, Greece

 [Hexagon Composites ASA](#)

Ålesund, Norway

 [Hoeller Electrolyzer GmbH](#)

Wismar, Germany

 [HORIBA FuelCon GmbH](#)

Magdeburg-Barleben, Germany

 [Hy-Lok D Vertriebs GmbH](#)

Oyten, Germany

 [HyCologne e.V.](#)

Hürth, Germany

 [HYDAC International GmbH](#)

Sulzbach/Saar, Germany

 [Hydrogen Power Storage & Solutions East](#)

MWh

Production Equipment and Scalable
Production Line, Metal Microstructure Plates

HyProvide systems - in both PEM and
advanced alkaline models - ranging from 1-90
Nm³/h in moduls sizes - or several MW as
cluster configurations.

Fuel cell testing equipment

Fuel cell testing equipment

Valves

Electrolyser, Electrolysis stack

Hydrogen refuelling infrastructure

Hydrogen and Fuel Cells Technology
Network

Hydrogen compression, storage, transfer and
refuelling stations

Micro CHP units

High-pressure hydrogen composite cylinders

Next generation PEM electrolyser stacks



















Testing systems for fuel cells and batteries


















Valves, fittings, gas supply systems,
components for hydrogen supply









Network for hydrogen, fuel cells and electric
mobility

Hydrogen Filters, Tank and Fuel Cell
mounting technologies, Hydrogen Sensors,
Coolers/Thermalmanagement, Controllers for
Fuel Cell management, Hydraulics


Hydrogen storage and transport

<u>Germany e.V.</u> Halle, Germany	
 <u>Hydrogenious LOHC Technologies</u> Erlangen, Germany	LOHC Systems for Hydrogen Logistics
 <u>HydrogenPro</u> Porsgrunn, Norway	High pressure alkaline electrolyser plants
 <u>Hynamics</u> Paris, France	tbd
 <u>HyPlat (Pty) Ltd</u> Cape Town, South Africa	Membrane electrode assemblies (MEA)
 <u>Hyundai Mobis Co. Ltd</u> Seoul, Korea	Fuel Cell System, Power Electric Module
 <u>HZwo e.V.</u> Chemnitz, Germany	tbd
 <u>IAV GmbH</u> Gifhorn, Germany	tbd
 <u>iGas energy GmbH</u> Stolberg, Germany	Electrolyser plants for hydrogen production
 <u>IHI Hauzer Techno Coating B.V.</u> Venlo, Netherlands	Equipment manufacturer for bipolar plate coating, coating and coating technology development
 <u>IHI Ionbond Netherlands B.V.</u> Venlo, Netherlands	Job coating services, coating development
 <u>Impact Coatings AB</u> Linköping, Sweden	Industry leading Ceramic MAXPHASE™ coating for metal bipolar plates. INLINECOATER™MFC coating equipment for volume production
 <u>INFICON GmbH</u> Köln, Germany	Leak detector for battery housings, battery cells, fuel cells
 <u>inhouse engineering GmbH</u> Berlin, Germany	Automation- and energy management systems, fuel cell CHP systems
 <u>Intelligent Energy</u> Loughborough, United Kingdom	Hydrogen fuel cells for automotive, materials handling and UAV applications
 <u>ITM Power Plc</u> Sheffield, United Kingdom	Hydrogen generation, electrolyzers, hydrogen fuel stations, energy storage
 <u>J.P. Sauer & Sohn Maschinenbau GmbH</u> Kiel, Germany	Compressors, control systems, compressed-air treatment systems and accessories
 <u>JA-Gastechnology GmbH</u> Burgwedel, Germany	Green Hydrogen Filling Station with Electrolyzer/ H2 test benches / Testing: permeation, real-gas cycles, components
 <u>John Cockerill Group</u> Seraing, Belgium	tbd


 Kolibrik.net, s.r.o. Žďár nad Sázavou, Czech Republic	High-current potentiostats and zero-voltage loads for H2FC cells and stacks. Compact control, monitor and power conversion solutions for H2FC stack systems. Custom automation and testing solutions for h2FC research and applications.
 LandesEnergieAgentur Hessen GmbH Wiesbaden, Germany	Hessian Joint Booth Hydrogen and Fuel Cells
 LASERVORM GmbH Altmittweida, Germany	tbd
 LEANCAT s.r.o. Praha 7-Holešovice, Czech Republic	Fuel cell testing station, hydrogen powerbox (h2 driven power generator for various applications), AirCell (research PEM single cell)
 Magnet-Schultz GmbH & Co. KG Memmingen, Germany	Magnet valves for hydrogen Purge/drain valves
 MASTER Co., Ltd. Cheonan, Korea	Fuel cell manufacturing machine
 MAXIMATOR GmbH Nordhausen, Germany	Testing and Production Systems for hydrogen, Hydrogen compressors, Valves, fittings and tubing for hydrogen applications
 McPhy Energy SA La Motte-Fanjas, France	Augmented McFilling & Augmented McLyzer
 MeliCon GmbH Hückelhoven, Germany	MeliDiff-GDL gas diffusion layer
 Metatron S.p.A. Castel Maggiore, Italy	Hydrogen pressure regulators for fuel cell vehicle
 Midsun Specialty Products Berlin, CT, USA	DetecTape™
 Nel Hydrogen Electrolyser AS Notodden, Norway	Hydrogen solutions, electrolyser plants, energy storage, hydrogen fueling stations
 NEUMAN & ESSER GROUP Übach-Palenberg, Germany	tbd
 Nova Werke AG Effretikon, Switzerland	Systems and valves for hydrogen applications
 NOVUM engineering GmbH Dresden, Germany	Battery test system for the identification of broken batteries before usage
 NOW GmbH Berlin, Germany	Coordination and management of the National Innovation Programme for Hydrogen and Fuel Cell Technology (NIP) in Germany
 NPROXX Jülich, Germany	Type 4 pressure vessels for the storage of hydrogen

 Okazaki Manufacturing Company Kobe, Japan	In-line & moulded sleeve sheath thermocouples, flame proof high pressure temperature sensors, cryogenic assemblies, Micropak heaters
 OMB Saleri SpA Brescia, Italy	Onboard products for hydrogen storage systems (at 700 bar or 350 bar) Onboard hydrogen products for fuel-cell systems
 PDC Machines Warminster, PA, USA	Diaphragm compression systems and integrated HRS solutions for hydrogen fueling stations
 Peak Technology GmbH Holzhausen, Austria	tbd
 Plug Power Inc. Latham, NY, USA	Fuel cells and hydrogen solutions
 PowerCell Sweden AB Gothenburg, Sweden	Fuel cell stacks and systems for mobile and stationary applications
 Pressure Tech Ltd Hadfield, United Kingdom	Pressure regulator control valves
 Purification Equipment Research Institute of CSIC Handan, P.R. China	H2 energy application and system integration, H2 generation by water electrolysis
 QuinTech Göppingen, Germany	Electrolyser, FC stack, monitoring system
 Resato International BV Assen, Netherlands	Hydrogen fueling stations and hydrogen testing equipment's
 RIX Industries Benicia, CA, USA	High pressure oil free compressors and generators
 Rouge H2 Engineering GmbH Graz, Austria	OSOD hydrogen production & lossless solid state storage
 Schaeffler Technologies AG & Co. KG Herzogenaurach, Germany	Fuel cell stack
 sera Hydrogen GmbH Immenhausen, Germany	Compressors and compressor systems
 SFC Energy AG Brunnthal, Germany	EFOY fuel cells, EFOY energy solutions
 Sono-Tek Corporation Milton, NY, USA	Ultrasonic spray coating system
 SPIR STAR AG Rimbach-Mitlechtern, Germany	Thermoplastic high-pressure hose 345-4,000 bar
 Staiger GmbH & Co. KG Erligheim, Germany	Magnetic valves and fluidic blocks
 Sumitomo Electric Industries	Sumidia™, Celmet™


Osaka, Japan

 [Sunfire GmbH](#)
Dresden, Germany


Power-to-X, Sunfire-Home, Sunfire-Remote

 [Takaishi Industry Co., Ltd.](#)
Osaka, Japan


Hydrogen-Resistant EPDM (O-ring for H2 dispenser: -40°C / 90MPa), Hydrogen-Resistant FKM (O-ring for H2 compressor: 150°C / 90MPa)

 [Technische Universität Chemnitz, Department of Advanced Powertrains](#)
Chemnitz, Germany


tbd

 [Tianjin Mainland Hydrogen Equipment](#)
Tianjin, P.R. China


Alkaline high pressure electrolyzers, PEM electrolyzers, large scale hydrogen plants

 [Toyota Motor Corporation](#)
Nagoya, Japan


Fuel Cells, system and application – portable, stationary, transportation

 [Turbowin Co., Ltd.](#)
Cheongju, Korea

Fuel cell blower

 [Umoe Advanced Composites AS](#)
Mandal, Norway

Pressure vessels and multi element gas containers for storage and distribution of hydrogen

 [Ventos Compressors - CET Engineering S.r.l.](#)
Perugia, Italy


Hydrogen compressors, diaphragm compressors, oil-free reciprocating compressors

 [VINATech Co., Ltd.](#)
Jeonju-si, Korea


Catalyst support, Catalyst and MEA (PEMFC/DMFC)

 [VON ARDENNE GmbH](#)
Dresden, Germany

Bipolar plate as component of the fuel cell

 [VOSS Fluid GmbH](#)
Wipperfürth, Germany


Ready-to-install lines, fittings

 [WätaS Wärmetauscher Sachsen GmbH](#)
Olbernhau, Germany

tbd

 [Westfälische Hochschule/Westfälisches EnergieInstitut](#)
Gelsenkirchen, Germany


Electrolysers, fuel cells and batteries

 [Wystrach GmbH](#)
Weeze, Germany

Hydrogen storage container (app. 10 ft), mobile H2-refueler (model)

 [ZELTWANGER Automation GmbH](#)
Dußlingen, Germany

Leak testing equipment and systems
Assembly system (standardized laser cell)

 [Zentrum für BrennstoffzellenTechnik ZBT GmbH Duisburg](#)
Duisburg, Germany

Reduction of technological barriers for innovative companies, especially SMEs