

# Exhibitor List

## Hydrogen + Fuel Cells EUROPE at HANNOVER MESSE 2020

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HANNOVER MESSE

July 13-17  
2020

Hall 27, C66  
Exhibition Grounds  
Hanover, Germany



 <b>Ad-Venta SAS</b> Pressurized gas handling applications	 <b>Carbotainer, S.L.</b> Carbon fibre cylinders and bundles + Custom lightweight storage solutions	 <b>DTU Energy</b> Testing cells, stacks, components; fuel cells, electrolysis and batteries
 <b>Agence Economique Régionale de Bourgogne-Franche-Comté</b> Economic agency of Bourgogne Region	 <b>Celeroton AG</b> Turbo compressor systems for oil and lubricant free air supply of fuel cells, converters for controlling high speed compressors	 <b>Deutscher Verein des Gas- und Wasserfaches e.V. (DVGW)</b> Competence network for all questions related to gas and water supply
 <b>Agentur für Wirtschaft &amp; Entwicklung</b> Advisory services, international cooperation for sustainable development	 <b>Charles University Faculty of Mathematics and Physics</b> Fuel cell testing station, H2 powerbox, AirCell - research PEM single cell	 <b>Eason Industrial Engineering Co., Ltd</b> Water electrolysis hydrogen generator
 <b>Air Liquide Advanced Technologies GmbH</b> Part of the H2 MOBILITY pavilion	 <b>Chungnam Techno Park</b> tbd	 <b>EBZ Entwicklung- und Vertriebsgesellschaft Brennstoffzelle mbH</b> Components and testing solutions for fuel cells and electrolyser systems
 <b>Air Squared Inc.</b> Oil-free scroll compressors for fuel cell system, Oil-free hydrogen recirculation pumps for fuel cell systems, Oil-free liquid-cooled scroll compressors for commercial EVs	 <b>Colorado Office of Economic Development and International Trade</b> tbd	 <b>Eisenhuth GmbH &amp; Co. KG</b> Bipolar plates, test systems, gaskets
 <b>ALCRYS Fluid-Control &amp; Services SAS</b> Pressure regulating solutions for high-pressure gases	 <b>Combined Energies LLC</b> Power electronics, HT PEM fuel cell systems	 <b>Element One, Inc.</b> tbd
 <b>Ames Goldsmith Ceimig</b> Precious metal powders (hydrogen fuel cells), platinum group metals (electrolysers)	 <b>Continental</b> Cathode blocking- backpressure valve, bypass valve / hoses for cooling, air and hydrogen path	 <b>EMCEL GmbH</b> H2-Quality Measurement, Monitoring System Engineering Services, Feasibility Studies
 <b>Ampulz B.V.</b> Power supply solutions	 <b>CSA Group</b> High pressure hydrogen testing, inspection and certification	 <b>Enapter</b> Hydrogen generators, electrolysers, AEM
 <b>Anleg GmbH</b> Hydrogen valves, tanksystem, hydrogen solutions	 <b>Daimler AG</b> Part of the H2 MOBILITY pavilion	 <b>EnergieAgentur.NRW GmbH</b> Hydrogen/fuel cells: network services
 <b>ARCO-FC Srl</b> Fuel cells stack, lithium battery packs, fuel cell system	 <b>DAM SAS</b> tbd	 <b>Energy Saxony e.V.</b> Fuel cell technologies and systems for the generation and storage of hydrogen, automation solutions, simulation tools
 <b>AREVA H2Gen</b> PEM electrolyser	 <b>Dana Incorporated</b> Balance of plant, hydrogen reformers and stack components	 <b>ERGOSUP S.A.</b> Storage and conversion of electricity into pressurized hydrogen
 <b>Artimus Robotics Inc.</b> tbd	 <b>DBI - Gastechnologisches Institut gGmbH Freiberg</b> tbd	 <b>ErreDue S.p.A.</b> Hydrogen generators, hydrogen purifiers
 <b>AVL List GmbH</b> Development, simulation and testing solution for fuel cell applications	 <b>DBI Gas- und Umwelttechnik GmbH</b> Components for fuel cell heating appliances	 <b>Eugen Seitz AG</b> High-pressure solenoid valves for hydrogen from 350 (500) bar to 700 (1000) bar
 <b>Axane SA</b> tbd	 <b>Dechema-Forschungsinstitut</b> Catalyst and carbon powders for PEMFC, interconnectors	 <b>Faurecia</b> Hydrogen Storage System, Fuel Cell System
 <b>balticFuelCells GmbH</b> Fuel cell test system - quick CONNECTfixture Liquid Cooled and High Amp / SuSy500 fuel cell subsystem 500W	 <b>Deutscher Wasserstoff- und Brennstoffzellen-Verband e.V. (DWV)</b> Association providing information, expertis	 <b>FCP Fuel Cell Powertrain GmbH</b> Modular and scalable Fuel Cell System for Heavy Duty Applications
 <b>Borit NV</b> Metal bipolar plates and interconnects, flow plates for cooling applications	 <b>Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR) Institut für Technische Thermodynamik</b> Fuel cells, electrolysis, innovative components	 <b>Federation FCLAB</b> tbd
 <b>BOSAL Energy Conversion Industry</b> High performance heat exchangers	 <b>DiLiCo engineering GmbH</b> Measuring technology for fuel cells, electrolysers and batteries	 <b>Feintool Technologie AG</b> Bipolar plates, Fineblanking-, Forming and Electro sheet parts
 <b>Dr.-Ing. K. Busch GmbH</b> Compressors	 <b>DLR-Institut für Vernetzte Energiesysteme e.V.</b> DLR Institute of Networked Energy Systems Systems, system components, diagnostic	 <b>FES GmbH Fahrzeug-Entwicklung Sachsen / Auto-Entwicklungsring Sachsen GmbH</b> Fuel cell powered forklift, commercial vehicle frontend with integrated fuel cell
 <b>Buschjost GmbH</b> High Pressure Valves, Pressure Regulators, Motorized Valves, Process Valves	 <b>dPoint Humidifiers</b> Polymer membrane	 <b>FISCHER Spindle Group</b> Electrically driven turbo compressors for fuel cells
 <b>Business France</b> International business development in France and throughout the world		 <b>Forge Nano</b> Precision ALD nano-coating technology
 <b>Canadian Hydrogen and Fuel Cell Association</b> Industry Association		

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 <b>Framatome GmbH</b> System integrator for hydrogen and battery storage solutions	 <b>H2SYS</b> PEM fuel cell system and hydrogen powered electric generator	 <b>iGas energy GmbH</b> Electrolyser plants for hydrogen production
 <b>Fraunhofer Institute for Energy Economics and Energy System Technology (IEE)</b> Virtual battery, multifunctional converter, efficient antenna system for inductive charging system, testing system for electro mobility	 <b>HABONIM Industrial Valves &amp; Actuators</b> Ball valve solutions for High Pressure & Liquefied H2	 <b>IHI Hauzer Techno Coating B.V.</b> Equipment manufacturer for bipolar plate coating, coating and coating technology development
 <b>Fraunhofer-Institut für Keramische Technologien und Systeme IKTS</b> Ceramic-based components and systems for the generation of renewable hydrogen and syngas as key enabler for hydrogen economy	 <b>HAFFNER ENERGY SAS</b> Production of green hydrogen from biomass	 <b>IHI Ionbond Netherlands b.v.</b> Job coating services, coating development
 <b>Fraunhofer-Institut für Mikrostruktur von Werkstoffen und Systemen IMWS</b> Battery simulation and emulation, virtual battery, testing system for electro mobility, battery management systems, battery model	 <b>Haskel Europe, Sunderland, UK</b> Hydrogen Compression, Storage, Transfer and Refuelling Stations	 <b>Impact Coatings AB</b> Industry leading Ceramic MAXPHASE™ coating for metal bipolar plates. New INLINECOATER™MFC coating equipment for volume production
 <b>Fraunhofer-Institut für Mikroelektronik und Mikrosysteme IMM</b> Reformers, heat exchangers	 <b>Helbio SA</b> micro CHP units	 <b>INFICON GmbH</b> XL3000flex, ELT3000
 <b>Fraunhofer-Institute for Manufacturing Technology and Advanced Materials IFAM</b> AEL and AEM electrodes, electrocatalysts, metal hydride storage systems, MOF adsorption storage systems, hydrogen generators, POWERPASTE-based power generators	 <b>Heraeus</b> tbd	 <b>Inform GmbH</b> Alternative Stromspeichertechnik - Supercap-Module
 <b>Fraunhofer Institute for Solar Energy Systems ISE</b> Fuel cells systems, electrolysis	 <b>Hexagon Composites ASA</b> High-pressure hydrogen composite cylinders	 <b>Infraserv Höchst</b> Hydrogen solutions for infrastructure, mobility and stationary applications
 <b>Fuel Cells and Hydrogen Joint Undertaking</b> Projects in the field of fuel cell and hydrogen energy technologies in Europe	 <b>Hochschule RheinMain</b> Physics, medical technology, microsystem technology, computational engineering	 <b>inhouse engineering GmbH</b> Automation- and energy management systems, fuel cell CHP systems
 <b>Gaussin Manuistique S.A.</b> tbd	 <b>Hoeller Electrolyzer GmbH</b> Next generation PEM electrolyser stacks	 <b>Intelligent Energy</b> Hydrogen fuel cells for automotive, materials handling and UAV applications
 <b>Gebr. Becker GmbH</b> Blowers for stationary fuel cells	 <b>HORIBA FuelCon AG</b> Testing systems for fuel cells and batteries	 <b>Intertek Testing</b> Testing, inspection, certification, auditing and technical training
 <b>Giner, Inc.</b> PEM electrolyzers	 <b>HPS Home Power Solutions GmbH</b> Integrated systems for the storage and usage of solar energy	 <b>Intrex Aerospace</b> tbd
 <b>GKN Powder Metallurgy</b> Metal-based seasonal hydrogen energy storage for renewables - high power density @low_pressure (10-40 bars) - 100% recyclable - Energy range from 80 kWh - 66 MWh	 <b>Hy-Lok D Vertriebs GmbH</b> Ventile, Fittings, Gasversorgungssysteme, Bauteile für die Wasserstoffversorgung	 <b>Ionomr Innovations</b> tbd
 <b>Graebener Maschinentechnik GmbH &amp; Co. KG</b> Production Equipment and Scalable Production Line, Metal Microstructure Plates	 <b>HyCologne e.V.</b> Network for hydrogen, fuel cells and electric mobility	 <b>ITM Power Plc</b> Hydrogen generation, electrolyzers, hydrogen fuel stations, energy storage
 <b>GreenHydrogen.dk ApS</b> HyProvide systems - in both PEM and advanced alkaline models - ranging from 1-90 Nm3/h in moduls sizes - or several MW as cluster configurations.	 <b>HYDAC INTERNATIONAL GMBH</b> Hydrogen Filters, Tank and Fuel Cell mounting technologies, Hydrogen Sensors, Coolers/Thermalmanagement, Controllers for Fuel Cell management, Hydraulics	 <b>J.P. Sauer &amp; Sohn Maschinenbau GmbH</b> Compressors, control systems, compressed-air treatment systems and accessories
 <b>Greenlight Innovation</b> Fuel cell testing equipment	 <b>Hydrogen Optimized</b> Development and optimization of sustainable hydrogen energy and industrial systems including renewable hydrogen generation	 <b>JA-Gastechnology GmbH</b> Green Hydrogen Filling Station with Electrolyzer/ H2 test benches / Testing: permeation, real-gas cycles, components
 <b>Greenlight Innovation GmbH</b> Fuel cell testing equipment	 <b>Hydrogen Power Storage &amp; Solutions East Germany e.V.</b> Hydrogen storage and transport	 <b>John Cockerill Group</b> tbd
 <b>GSR Ventiltechnik GmbH &amp; Co. KG</b> Valves	 <b>Hydrogenics Corporation</b> Fuel cells, electrolyzers	 <b>Kawasaki Gas Turbine Europe GmbH</b> Hydrogen Combustion Chamber Gas Turbine GPB17D
 <b>H-TEC SYSTEMS GmbH</b> Electrolyser, Electrolysis stack	 <b>Hydrogenious LOHC Technologies</b> LOHC Systems for Hydrogen Logistics	 <b>Kolibrik.net, s.r.o.</b> High-current potentiostats and zero-voltage loads for H2FC cells and stacks.
 <b>H2 MOBILITY Deutschland GmbH &amp; Co.KG</b> Hydrogen refuelling infrastructure	 <b>HydrogenPro</b> High pressure alkaline electrolyser plants	 <b>Kunnskapsbyen Lillestrøm</b> tbd
 <b>H2BZ Wasserstoff- und Brennstoffzellen-Initiative Hessen e.V.</b> Hydrogen and Fuel Cells Technology Network	 <b>Hynamics</b> tbd	 <b>LandesEnergieAgentur Hessen GmbH</b> Hessian Joint Booth Hydrogen and Fuel Cells
	 <b>HyPlat (Pty) Ltd</b> Membrane electrode assemblies (MEA)	 <b>LEANCAT s.r.o.</b> Fuel cell testing station
	 <b>Hystorsys AS</b> Thermal hydrogen compressor systems based on metal hydrides	 <b>Linde AG</b> Part of the H2 MOBILITY pavilion
	 <b>Hyundai Mobis Co. Ltd</b> Fuel Cell System, Power Electric Module	 <b>Magnet-Schultz GmbH &amp; Co.KG</b> Magnet valves for hydrogen, Purge/drain valves
	 <b>HZwo e.V.</b> tbd	
	 <b>IAV GmbH, Entwicklungszentrum</b> tbd	

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 <b>MASTER Co., Ltd.</b> Fuel cell manufacturing machine	 <b>PowerCell Sweden AB</b> Fuel cell stacks and systems for mobile and stationary applications	 <b>Tianjin Mainland Hydrogen Equipment</b> Alkaline high pressure electrolyzers, PEM electrolyzers, large scale hydrogen plants
 <b>MAXIMATOR GmbH</b> Testing and Production Systems for hydrogen, Hydrogen compressors, Valves, fittings and tubing for hydrogen applications	 <b>Powidian</b> tbd	 <b>Total Deutschland GmbH</b> Part of the H2 MOBILITY pavilion
 <b>McPhy Energy SA</b> Augmented McFilling & Augmented McLyzer	 <b>Pressure Tech Ltd</b> Pressure regulator control valves	 <b>Toyota Motor Corporation</b> Fuel Cells, system and application – portable, stationary, transportation
 <b>Mehrer Compression GmbH</b> Compressors	 <b>PROTON TECHNOLOGIES</b> tbd	 <b>Turbowin Co., Ltd.</b> Fuel cell blower
 <b>MeliCon GmbH</b> MeliDiff-GDL gas diffusion layer	 <b>Purification Equipment Research Institute of CSIC</b> H2 energy application and system integration, H2 generation by water electrolysis	 <b>Umoe Advanced Composites AS</b> Pressure vessels and multi element gas containers for storage and distribution of hydrogen
 <b>Metatron S.p.A.</b> Hydrogen pressure regulators for fuel cell vehicle	 <b>QuinTech</b> Electrolyser, FC stack, monitoring system	 <b>Umweltcampus Birkenfeld der Hochschule Trier</b> Examples of customized fuel cells, fuel cell and battery components
 <b>Midsun Specialty Products</b> DetecTape™	 <b>Resato International BV</b> Hydrogen fueling stations and Hydrogen testing equipments	 <b>VAIREX air systems</b> Air blowers for fuel cells
 <b>Nel Hydrogen</b> Hydrogen solutions, electrolyser plants, energy storage, hydrogen fueling stations	 <b>RIX Industries</b> High pressure oil free compressors and generators	 <b>Ventos Compressors - CET Engineering S.r.l.</b> Hydrogen compressors, diaphragm compressors, oil-free reciprocating compressors
 <b>NEUMAN &amp; ESSER GROUP</b> tbd	 <b>Rouge H2 Engineering GmbH</b> OSOD hydrogen production & lossless solid state storage	 <b>VINATech Co., Ltd.</b> Catalyst support, Catalyst and MEA(PEMFC/DMFC)
 <b>NORMA Germany GmbH</b> Hydrogen Transport Systems, Thermal Management Systems, Air Transport Systems, V-Profile connections, Fixation solutions, Quick Connectors, Tube systems, Clamp solutions	 <b>Sandvik High Precision Tube ZN der SMT Deutschland GmbH</b> Stainless Seamless High Precision Tubes Transportable Tube Production – onsite	 <b>Vitesco Technologies GmbH</b> tbd
 <b>Norwegian Hydrogen Association</b> Information about hydrogen and fuel cell activities in Norway	 <b>Schaeffler Technologies AG &amp; Co. KG</b> Fuel cell stack	 <b>VON ARDENNE GmbH</b> Bipolar plate as component of the fuel cell
 <b>Nova Werke AG</b> Systems and valves for hydrogen applications	 <b>sera ComPress GmbH</b> Compressors and compressor systems	 <b>WAKAYAMA CO.,LTD</b> tbd
 <b>NOVUM engineering GmbH</b> Battery test system for the identification of broken batteries before usage	 <b>SERTRONIC SARL</b> tbd	 <b>WELCON Inc.</b> Diffusion bonding technology, heat exchanger & sink, pre-cooler / inter cooler solutions
 <b>NOW GmbH</b> Coordination and management of the National Innovation Programme for Hydrogen and Fuel Cell Technology (NIP) in Germany	 <b>SFC Energy AG</b> EFOY fuel cells	 <b>Westfälische Hochschule</b> Electrolysers, Fuel Cells and Batteries
 <b>NPROXX Jülich GmbH</b> Hydrogen Storage System (500 bar), Automotive Hydrogen Tank (700 bar)	 <b>Shell Deutschland Oil GmbH</b> Part of the H2 MOBILITY pavilion	 <b>Wystrach GmbH</b> Hydrogen storage container (app. 10 ft), mobile H2-refueler (model)
 <b>NOVUM engineering GmbH</b> Battery test system for the identification of broken batteries before usage	 <b>Sono-Tek Corporation</b> Ultrasonic spray coating system	 <b>ZELTWANGER Automation GmbH</b> Leak testing equipment and systems Assembly system (standardized laser cell)
 <b>NOVUM engineering GmbH</b> Battery test system for the identification of broken batteries before usage	 <b>Spanish Hydrogen Association (AeH2)</b> Promotion of hydrogen as an energy carrier in Spain	 <b>ZELTWANGER Dichtheits- und Funktionsprüfsysteme GmbH</b> Leak testing equipment and systems Standardised adaptations New flexible leak testing device series
 <b>NOVUM engineering GmbH</b> Battery test system for the identification of broken batteries before usage	 <b>SPIR STAR AG</b> Thermoplastic high-pressure hose 345-4,000 bar	 <b>Zentrum für BrennstoffzellenTechnik ZBT GmbH Duisburg</b> Reduction of technological barriers for innovative companies, especially SMEs
 <b>NOVUM engineering GmbH</b> Battery test system for the identification of broken batteries before usage	 <b>Staiger GmbH &amp; Co. KG</b> Components and supplying technology	
 <b>NOVUM engineering GmbH</b> Battery test system for the identification of broken batteries before usage	 <b>Steelhead Composites, LLC</b> Hydrogen storage tanks, Composite overwrapped pressure vessels, light weight gas storage	
 <b>NOVUM engineering GmbH</b> Battery test system for the identification of broken batteries before usage	 <b>Sumitomo Electric Industries</b> tbd	
 <b>NOVUM engineering GmbH</b> Battery test system for the identification of broken batteries before usage	 <b>Sunfire GmbH</b> Power-to-X, Sunfire-Home, Sunfire-Remote	
 <b>NOVUM engineering GmbH</b> Battery test system for the identification of broken batteries before usage	 <b>Takaishi Industry Co.,Ltd.</b> Hydrogen-Resistant EPDM (O-ring for H2 dispenser: -40°C / 90MPa), Hydrogen-Resistant FKM (O-ring for H2 compressor: 150°C / 90MPa)	
 <b>NOVUM engineering GmbH</b> Battery test system for the identification of broken batteries before usage		
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