

# Exhibitor List

## Hydrogen + Fuel Cells EUROPE at HANNOVER MESSE 2021

Status: August 28, 2020

HANNOVER MESSE

April 12-16  
2021


Hall 27, C66  
Exhibition Grounds  
Hanover, Germany



 **Agentur für Wirtschaft & Entwicklung**  
Advisory services, international cooperation for sustainable development


 **Ames Goldsmith Ceimig**  
Precious metal powders (hydrogen fuel cells), platinum group metals (electrolysers)

 **Ampulz B.V.**  
Power supply solutions

 **Arco FC Srl**  
Fuel cells stack, lithium battery packs, fuel cell system

 **AREVA H2Gen**  
PEM electrolyser

 **AVL List GmbH**  
Development, simulation and testing solution for fuel cell applications

 **balticFuelCells GmbH**  
Fuel cell test system - quick CONNECTixture Liquid Cooled and High Amp / SuSy500 fuel cell subsystem 500W

 **Borit NV**  
Metal bipolar plates and interconnects, flow plates for cooling applications

 **BOSAL Energy Conversion Industry**  
High performance heat exchangers


 **Dr.-Ing. K. Busch GmbH**  
Compressors


 **Buschjost GmbH**  
High pressure valves, pressure regulators, motorized valves, process valves

 **Business France**  
International business development in France and throughout the world

 **Canadian Hydrogen and Fuel Cell Association**  
Industry Association

 **Carbotainer S.L.**  
Carbon fibre cylinders and bundles + Custom lightweight storage solutions

 **Celeroton AG**  
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**  
Fuel cell testing station, hydrogen powerbox (h2 driven power generator for various applications), AirCell (research PEM single cell)

 **Chungnam Techno Park**  
tbd

 **Colorado Office of Economic Development and International Trade**  
tbd

 **Combined Energies LLC**  
Power electronics, HT PEM fuel cell systems

 **Dana Incorporated**  
Balance of plant, hydrogen reformers and stack components

 **DBI - Gastechnologisches Institut gGmbH Freiberg**  
tbd

 **DBI Gas- und Umwelttechnik GmbH**  
Components for fuel cell heating appliances

 **Deutscher Wasserstoff- und Brennstoffzellen-Verband e.V. (DWW)**  
Association providing information, expertise

 **DiLiCo engineering GmbH**  
Measuring technology for fuel cells, electrolysers and batteries

 **DLR e. V. Institut für Technische Thermodynamik**  
Fuel cells, electrolysis, innovative components

 **DLR e. V. Institut für Vernetzte Energiesysteme / Institute of Networked Energy Systems**  
Systems, system components, diagnostic

 **DTU Energy**  
Testing cells, stacks, components; fuel cells, electrolysis and batteries

 **Eason Industrial Engineering Co., Ltd**  
Water electrolysis hydrogen generator

 **EBZ Entwicklung- und Vertriebsgesellschaft Brennstoffzelle mbH**  
Components and testing solutions for fuel cells and electrolyser systems

 **Eisenhuth GmbH & Co. KG**  
Bipolar plates, test systems, gaskets


 **EMCEL GmbH**  
H2-Quality Measurement, Monitoring System Engineering Services, Feasibility Studies

 **Enapter**  
Hydrogen generators, electrolysers, AEM

 **EnergieAgentur.NRW GmbH**  
Hydrogen/fuel cells: network services

 **Energy Saxony e.V.**  
Fuel cell technologies and systems for the generation and storage of hydrogen, automation solutions, simulation tools

 **ErreDue S.p.A.**  
Hydrogen generators, hydrogen purifiers

 **Eugen Seitz AG**  
High-pressure solenoid valves for hydrogen from 350 (500) bar to 700 (1000) bar

 **Faurecia**  
Hydrogen Storage System, Fuel Cell System

 **FCP Fuel Cell Powertrain GmbH**  
Modular and scalable Fuel Cell System for Heavy Duty Applications

 **Feintool Technologie AG**  
Bipolar plates, Fineblanking-, Forming and Electro sheet parts

 **FES GmbH Fahrzeug-Entwicklung Sachsen / Auto-Entwicklungsring Sachsen GmbH**  
Fuel cell powered forklift, commercial vehicle frontend with integrated fuel cell


 **FEST GmbH**  
tbd

 **FISCHER Spindle Group**  
Electrically driven turbo compressors for fuel cells

 **Framatome GmbH**  
System integrator for hydrogen and battery storage solutions

 **Fraunhofer Institute for Machine Tools and Forming Technology IWU**  
tbd

 **Fraunhofer-Institut für Keramische Technologien und Systeme IKTS**  
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**  
Battery simulation and emulation, virtual battery, testing system for electro mobility, battery management systems, battery model

 **Fraunhofer-Institut für Mikrotechnik und Mikrosysteme IMM**  
Reformers, heat exchangers


 **Fraunhofer-Institute for Manufacturing Technology and Advanced Materials IFAM**  
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**  
Fuel cells systems, electrolysis

 **Giner, Inc.**  
PEM electrolysers

 **GKN Powder Metallurgy**  
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

 **Graebener Maschinentechnik GmbH & Co. KG**  
Production Equipment and Scalable Production Line, Metal Microstructure Plates

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

 **Greenlight Innovation**  
Fuel cell testing equipment


 **Greenlight Innovation GmbH**  
Fuel cell testing equipment

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|  <b>GSR Ventiltechnik GmbH &amp; Co. KG</b><br>Valves  |  <b>INFICON GmbH</b><br>Leak detector for battery housings, battery cells, fuel cells   |  <b>NPROXX</b><br>Type 4 pressure vessels for the storage of hydrogen   |
|  <b>H-TEC SYSTEMS GmbH</b><br>Electrolyser, Electrolysis stack   |  <b>inhouse engineering GmbH</b><br>Automation- and energy management systems, fuel cell CHP systems  |  <b>Okazaki Manufacturing Company</b><br>In-line & moulded sleeve sheath thermocouples, flame proof high pressure temperature sensors, cryogenic assemblies, Micropak heaters |
|  <b>H2 MOBILITY Deutschland GmbH &amp; Co. KG</b><br>Hydrogen refuelling infrastructure  |  <b>Intelligent Energy</b><br>Hydrogen fuel cells for automotive, materials handling and UAV applications   |  <b>OMB Saleri SpA</b><br>Onboard products for hydrogen storage systems (at 700 bar or 350 bar) Onboard hydrogen products for fuel-cell systems                               |
|  <b>H2BZ Wasserstoff- und Brennstoffzellen-Initiative Hessen e.V.</b><br>Hydrogen and Fuel Cells Technology Network  |  <b>ITM Power Plc</b><br>Hydrogen generation, electrolysers, hydrogen fuel stations, energy storage   |  <b>PDC Machines</b><br>Diaphragm compression systems and integrated HRS solutions for hydrogen fueling stations  |
|  <b>Haskel Europe</b><br>Hydrogen compression, storage, transfer and refuelling stations   |  <b>J.P. Sauer &amp; Sohn Maschinenbau GmbH</b><br>Compressors, control systems, compressed-air treatment systems and accessories                                 |  <b>Peak Technology GmbH</b><br>tbd   |
|  <b>Helbio SA</b><br>Micro CHP units   |  <b>JA-Gastechnology GmbH</b><br>Green Hydrogen Filling Station with Electrolyzer/ H2 test benches / Testing: permeation, real-gas cycles, components             |  <b>Plug Power Inc.</b><br>Fuel cells and hydrogen solutions  |
|  <b>Hexagon Composites ASA</b><br>High-pressure hydrogen composite cylinders   |  <b>John Cockerill Group</b><br>tbd   |  <b>PowerCell Sweden AB</b><br>Fuel cell stacks and systems for mobile and stationary applications  |
|  <b>Hoeller Electrolyzer GmbH</b><br>Next generation PEM electrolyser stacks   |  <b>Kolibrik.net, s.r.o.</b><br>High-current potentiostats and zero-voltage loads for H2FC cells and stacks.  |  <b>Pressure Tech Ltd</b><br>Pressure regulator control valves  |
|  <b>HORIBA FuelCon AG</b><br>Testing systems for fuel cells and batteries  |  <b>LandesEnergieAgentur Hessen GmbH</b><br>Hessian Joint Booth Hydrogen and Fuel Cells   |  <b>Purification Equipment Research Institute of CSIC</b><br>H2 energy application and system integration, H2 generation by water electrolysis                                |
|  <b>Hy-Lok D Vertriebs GmbH</b><br>Valves, fittings, gas supply systems, components for hydrogen supply  |  <b>LASERVORM GmbH</b><br>tbd   |  <b>QuinTech</b><br>Electrolyser, FC stack, monitoring system  |
|  <b>HyCologne e.V.</b><br>Network for hydrogen, fuel cells and electric mobility   |  <b>LEANCAT s.r.o.</b><br>Fuel cell testing station, hydrogen powerbox (h2 driven power generator for various applications), AirCell (research PEM single cell) |  <b>Resato International BV</b><br>Hydrogen fueling stations and hydrogen testing equipment's   |
|  <b>HYDAC International GmbH</b><br>Hydrogen Filters, Tank and Fuel Cell mounting technologies, Hydrogen Sensors, Coolers/Thermalmanagement, Controllers for Fuel Cell management, Hydraulics |  <b>Magnet-Schultz GmbH &amp; Co. KG</b><br>Magnet valves for hydrogen, Purge/drain valves  |  <b>RIX Industries</b><br>High pressure oil free compressors and generators   |
|  <b>Hydrogen Optimized</b><br>Development and optimization of sustainable hydrogen energy and industrial systems including renewable hydrogen generation                                     |  <b>MASTER Co., Ltd.</b><br>Fuel cell manufacturing machine   |  <b>Rouge H2 Engineering GmbH</b><br>OSOD hydrogen production & lossless solid state storage  |
|  <b>Hydrogen Power Storage &amp; Solutions East Germany e.V.</b><br>Hydrogen storage and transport   |  <b>MAXIMATOR GmbH</b><br>Testing and Production Systems for hydrogen, Hydrogen compressors, Valves, fittings and tubing for hydrogen applications              |  <b>Schaeffler Technologies AG &amp; Co. KG</b><br>Fuel cell stack  |
|  <b>Hydrogenious LOHC Technologies</b><br>LOHC Systems for Hydrogen Logistics  |  <b>McPhy Energy SA</b><br>Augmented McFilling & Augmented McLyzer  |  <b>sera Hydrogen GmbH</b><br>Compressors and compressor systems  |
|  <b>HydrogenPro</b><br>High pressure alkaline electrolyser plants  |  <b>MeliCon GmbH</b><br>MeliDiff-GDL gas diffusion layer  |  <b>SFC Energy AG</b><br>EFOY fuel cells  |
|  <b>Hynamics</b><br>tbd  |  <b>Metatron S.p.A.</b><br>Hydrogen pressure regulators for fuel cell vehicle   |  <b>Sono-Tek Corporation</b><br>Ultrasonic spray coating system   |
|  <b>HyPlat (Pty) Ltd</b><br>Membrane electrode assemblies (MEA)  |  <b>Midsun Specialty Products</b><br>DetecTape™   |  <b>SPIR STAR AG</b><br>Thermoplastic high-pressure hose 345-4,000 bar  |
|  <b>Hyundai Mobis Co. Ltd</b><br>Fuel Cell System, Power Electric Module   |  <b>Nel Hydrogen Electrolyser AS</b><br>Hydrogen solutions, electrolyser plants, energy storage, hydrogen fueling stations                                      |  <b>Staiger GmbH &amp; Co. KG</b><br>Components and supplying technology  |
|  <b>HZwo e.V.</b><br>tbd   |  <b>NEUMAN &amp; ESSER GROUP</b><br>tbd   |  <b>Steelhead Composites, LLC</b><br>Hydrogen storage tanks, Composite overwrapped pressure vessels, light weight gas storage   |
|  <b>IAV GmbH</b><br>tbd  |  <b>Nova Werke AG</b><br>Systems and valves for hydrogen applications   |  <b>Sumitomo Electric Industries</b><br>tbd   |
|  <b>iGas energy GmbH</b><br>Electrolyser plants for hydrogen production  |  <b>NOVUM engineering GmbH</b><br>Battery test system for the identification of broken batteries before usage   |  <b>Sunfire GmbH</b><br>Power-to-X, Sunfire-Home, Sunfire-Remote  |
|  <b>IHI Hauzer Techno Coating B.V.</b><br>Equipment manufacturer for bipolar plate coating, coating and coating technology development   |  <b>NOW GmbH</b><br>Coordination and management of the National Innovation Programme for Hydrogen and Fuel Cell Technology (NIP) in Germany                     |  <b>Takaishi Industry Co., Ltd.</b><br>Hydrogen-Resistant EPDM (O-ring for H2 dispenser: -40°C / 90MPa), Hydrogen-Resistant FKM (O-ring for H2 compressor: 150°C / 90MPa)   |
|  <b>IHI Ionbond Netherlands B.V.</b><br>Job coating services, coating development  |  |  |
|  <b>Impact Coatings AB</b><br>Industry leading Ceramic MAXPHASE™ coating for metal bipolar plates. INLINECOATER™MFC coating equipment for volume production                                  |  |  |

# Exhibitor List

 **Technische Universität Chemnitz,  
Department of Advanced Powertrains**  
tbd

 **Tianjin Mainland  
Hydrogen Equipment**  
Alkaline high pressure electrolyzers,  
PEM electrolyzers, large scale  
hydrogen plants

 **Toyota Motor Corporation**  
Fuel Cells, system and application –  
portable, stationary, transportation

 **Turbowin Co., Ltd.**  
Fuel cell blower


 **Umoe Advanced Composites AS**  
Pressure vessels and multi element gas  
containers for storage and distribution of  
hydrogen

 **Ventos Compressors -  
CET Engineering S.r.l.**  
Hydrogen compressors, diaphragm  
compressors, oil-free reciprocating  
compressors

 **VINATech Co., Ltd.**  
Catalyst support, Catalyst and MEA  
(PEMFC/DMFC)

 **VON ARDENNE GmbH**  
Bipolar plate as component of the fuel cell

 **VOSS Fluid GmbH**  
Ready-to-install lines, fittings

 **WätaS Wärmetauscher Sachsen GmbH**  
tbd

 **Westfälische Hochschule/  
Westfälisches EnergielInstitut**  
Electrolysers, fuel cells and batteries

 **Wystrach GmbH**  
Hydrogen storage container (app. 10 ft),  
mobile H<sub>2</sub>-refueler (model)

 **ZELTWANGER  
Automation GmbH**  
Leak testing equipment and systems  
Assembly system (standardized  
laser cell)

 **Zentrum für  
BrennstoffzellenTechnik ZBT  
GmbH Duisburg**  
Reduction of technological barriers for  
innovative companies, especially SMEs

Around 200 companies and institutions  
from 20 countries will exhibit their latest  
H<sub>2</sub> and fuel cell products at the  
Hydrogen + Fuel Cells EUROPE at  
HANNOVER MESSE 2021