

Group Exhibit Hydrogen + Fuel Cells (H2/FC)
presents customized solutions at HANNOVER FAIR '03
- 19 countries converging at established H2/FC Platform
- Focus is on optimised technologies and construction of a Hydrogen infrastructure

Starnberg/Hannover, April 2003

At the annual HANNOVER FAIR '03, April 7-12, Hanover, Germany, the Group Exhibit - Hydrogen + Fuel Cells (H2/FC) initiated and organised by Arno A. Evers FAIR-PR, Starnberg, Germany brings together numerous representatives of this emerging industry. The setting looks promising: The HANNOVER FAIR with its 7000 exhibitors and an expected number of 200 000 commercial trade fair visitors offers an essential platform for decision makers from different industrial backgrounds.

International H2/FC hub

The Group Exhibit Hydrogen + Fuel Cells with 90 exhibitors and 9 Forum participants out of 19 countries is an established part of the "Energy" trade show during the HANNOVER FAIR. It teams up an international mixture of organisations including global players, as well as, SME's and research institutions. The entire H2/FC production cycle is visually displayed, from R&D and manufacturing to customer satisfaction. In addition to the 10 countries which have traditionally exhibited in the past, Armenia, Iceland, Italy, Portugal, Spain, Israel, South Korea, Sweden and Russia will join in for the first time. All exhibitors will showcase their most recent developments in H2/FC applications, components, materials & peripherals. As a result, the Group Exhibit constitutes an internationally unique hub for the entire H2/FC community.

Ready – Steady – Go

Fuel Cells convert Hydrogen fuel and Oxygen into electricity, heat and water. The message from the exhibitors at the Group Exhibit reads loud and clear: They want to take up the challenge of transferring H2/FC expertise into applicable products and services. This year's emphasis is, among others, on enhanced product reliability, flexibility in application and the construction of a hydrogen infrastructure.

The essential ingredient for energy production with fuel cells is Hydrogen which will be produced by fuel processors (reformers and electrolyzers). Exhibitors at this year's Group Exhibit present more advanced technology with increased processing capacity in generating hydrogen. HydrogenSource, a US-based company manufacturing reformers, displays the first 5 kW stand alone fuel cell processor with a specific potential for high-level stationary energy supply applications. The French company NGHY, also concerned with reformers, presents its result with regard to reformation without pollution. Another displayed reformer (Idatech, USA) can even process different fuels. This allows important cost reductions in the production of Hydrogen due to multifunctional use of a single fuel processor.

This trend towards flexibility in application continues regarding both stand alone and integrated Fuel Cell Systems. Axane Fuel Cell Systems, subsidiary to the French hydrogen producer AirLiquide, shows multifunctional modular concepts for all three areas of application, stationary portable and/or mobile. MTU currently operates its Hotmodule, a Fuel Cell System, with the Michelin tire production in Karlsruhe. For onsite testing purposes, this Fuel Cell system, which is predominantly used for stationary energy supply, powers the regular assembly lines. The test results will be presented in Hanover.

The development of an effective hydrogen infrastructure is of central concern at this year's Group Exhibit Hydrogen + Fuel Cells. With such a system being in place, Hydrogen and Fuel Cells can be pushed more towards an accepted alternative to energy supply. Consequently, stationary, portable and mobile applications will be supported more unhesitatingly and used in daily operations. Vandenborre Hydrogen Systems, Belgium produces electrolyser that can

play an important part in the creation of such a hydrogen infrastructure: Starting in 2003, hydrogen produced by Vandenberg's electrolyzers will power several buses in the cities of Amsterdam, Barcelona and Stockholm.

Testing systems of hydrogen fuel stations and tanks for hydrogen storage and transportation also contribute to an efficient infrastructure. The company ET EnergieTechnologie developed a Hydrogen Laboratory in order to test the effectiveness of such fuel stations and tanks. Several exhibitors (ZSW, Forschungszentrum Karlsruhe, Quintech and ElectroChem) showcase improved testing systems for fuel cells and its components.

Talking business

At the daily Forum, located in the centre of the Group Exhibit, industry leaders discuss the actual challenges of commercialisation. All attendees have the chance to interact and exchange ideas to create added awareness for the use of hydrogen and fuel cells. Of high value and timely importance, these topics are especially interesting for invited VIP's from governmental administrations, politics and industry, as well as, thousands of media representatives coming to HANNOVER FAIR 2003.

But it doesn't stop there. The key to new ideas and concepts are informal gatherings. Therefore, all exhibitors of the Group Exhibit Hydrogen +Fuel Cells, come together during our daily "Networking Evenings" where new ideas and partnerships are bred.

New and as an added benefit to all H2/FC attendees, there will be a concurrently run conference "Excellence in Fuel Cells", Fuel Cell Summit and Workshops, April 9-11, 2003 organized by EyeforFuelCells, London, UK.

Success based on experience

Since HANNOVER FAIR 1995, the Group Exhibit - Hydrogen + Fuel Cells has developed into an important feature in this emerging industry. Initiator Arno A. Evers FAIR-PR, Starnberg, Germany, and his team host this unique platform combining cost and time efficiencies in obtaining customer contacts. Being part of this Group Exhibit at HANNOVER FAIR creates synergies in creating a common place for H2/FC products reflective of the slogan: "Go to where the Market is!"

Be sure to visit the world's first "real" Virtual Fair in the Internet, which will be launched April 6. Experience the usual fair atmosphere in a different setting, the world wide web. You will be fascinated, go to: www.virtual-fair.com.

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Press Conferences:

Guided Press Tour, Arno A. Evers FAIR-PR, Sunday, April 6, 2:00 pm, Hall 13, F66, Forum
Press Conference, Arno A. Evers FAIR-PR, Monday, April 7, 10:00 am, Hall 13, F66, Forum
Press Conference, Axane Fuel Cells Systems, Monday, April 7, 11:45 am,
Hall 13, F66, D66/5