



Hydrogen is now.

H-TEC SYSTEMS



BILFINGER

Press Release

May 7, 2024

H-TEC SYSTEMS and Bilfinger cooperate to drive efficient green hydrogen projects in Europe

- **Strategic partnership with focus on large-scale electrolysis**
- **Collaboration leverages complementary expertise in PEM electrolysis and industrial services**
- **Aim to develop standardized plant concepts for optimized execution and maximum efficiency**

Augsburg / Mannheim, Germany - H-TEC SYSTEMS, a pioneer and leading PEM electrolysis technology provider, and Bilfinger, a leading international industrial services provider, have signed a Memorandum of Understanding (MoU) for a collaboration aimed at jointly developing green hydrogen projects in Europe. The non-exclusive strategic partnership is centered on the development of large-scale electrolysis projects.

A core element of the collaborative initiative between H-TEC SYSTEMS and Bilfinger is to jointly develop green hydrogen project concepts and to align technical interfaces between both parties. This approach will not only allow flexibility regarding project-specific setups but also ensures seamless integration of expertise for optimized project outcomes.

Both companies are convinced of the pivotal role that green hydrogen will play in transforming the energy market, and they believe that collaborative approaches among relevant players will be key to advancing the hydrogen economy. As global demand for green hydrogen is expected to grow significantly in the coming years and decades, the partners see promising business potential in addressing this market. With their strong complementary capabilities, Bilfinger as a service provider for industrial plants and H-TEC SYSTEMS as PEM electrolysis supplier (OEM) can make a meaningful contribution to this transformation.

PEM (Proton Exchange Membrane) electrolysis is a technology that splits water into hydrogen and oxygen using an electrical current passed through a special membrane. This membrane enables higher efficiency and faster response times. Additionally, PEM electrolysis operates at lower temperatures and pressures, making it more suitable for decentralized and on-demand

hydrogen production applications. This reduces transportation-related energy consumption and emissions associated with delivering hydrogen to end-users.

Large-scale electrolysis projects typically entail a core electrolysis scope, which is usually covered by an OEM, and balance-of-plant related elements, for which clients typically engage a plant integrator. Clearly defined interfaces and elaborated standardized plant concepts are considered substantial value-adds for all involved parties.

Under the agreement, both parties intend to consider working together as partners for suitable projects in which both see mutual value creation through their complementary offering.

“We are very pleased about the collaboration with H-TEC SYSTEMS, tailored to meet the growing needs of our clients while optimizing project execution and efficiency“, said Ulrich Trebbe, Business Development Director Energy Transition at Bilfinger. “Our companies can meaningfully contribute to the sustainable transition of our energy system towards zero-carbon technologies. In this transformation, innovation and technology leadership as well as cost attractiveness and customer centricity will play a key role.”

“We are delighted to enter this partnership with Bilfinger“, stated Robin von Plettenberg, CEO of H-TEC SYSTEMS. “Our collaboration presents a core value proposition to joint customers. Clients who intend to invest in a green hydrogen plant are seeking reliable and trustful partners who can offer standardized, optimized and repeatable plant concepts and thus contribute to reducing the overall complexity, risks and costs of a project.”



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About Bilfinger

Bilfinger is an international industrial services provider. The aim of the Group's activities is to increase the efficiency and sustainability of customers in the process industry and to establish itself as the number one partner in the market for this purpose. Bilfinger's comprehensive portfolio covers the entire value chain from consulting, engineering, manufacturing, assembly, maintenance and plant expansion to turnarounds and digital applications.

The company delivers its services in two service lines: Engineering & Maintenance and Technologies. Bilfinger is primarily active in Europe, North America and the Middle East. Process industry customers come from sectors that include energy, chemicals & petrochemicals, pharma & biopharma and oil & gas. With its ~30,000 employees, Bilfinger upholds the highest standards of safety and quality and generated revenue of €4.5 billion in financial year 2023. To achieve its goals, Bilfinger has identified two strategic thrusts: repositioning itself as a leader in increasing efficiency and sustainability, and driving operational excellence to improve the organizational performance.

You can find additional information, photographs and videos at





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About H-TEC SYSTEMS

H-TEC SYSTEMS stands for innovation, sustainability, and a green future. As a technological pioneer, the company develops and manufactures innovative PEM electrolyzers and electrolysis stacks, enabling cost-effective, efficient, and reliable production of green hydrogen. H-TEC SYSTEMS' vision is clearly defined: to use their electrolyzers to avoid 1% of global greenhouse gas emissions, making a significant contribution to climate protection.

H-TEC SYSTEMS has been active in the hydrogen industry for over 25 years and operates at two locations in Germany and one in Houston, USA. As part of MAN Energy Solutions, the company combines the strengths of an independent, flexible structure with the industrial experience and customer access of MAN ES, along with the expertise in series production and supply chain management of the Volkswagen group and thereby provides the key technology for the Power-to-X value chain.

Further information: www.h-tec.com

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