

**PRESS RELEASE**

# **H-TEC SYSTEMS and EKPO cooperate to develop stack components for PEM electrolyzers**

Hydrogen expert H-TEC SYSTEMS commissions EKPO to develop stack components for use in next-generation PEM electrolyzers

**Augsburg / Dettingen an der Erms | August 30, 2023**

EKPO Fuel Cell Technologies GmbH (EKPO) and hydrogen specialist H-TEC SYSTEMS have agreed on a development contract for realizing stack components for PEM electrolyzers. As part of the cooperation, EKPO will contribute its know-how in the development and large-scale production of components and scrap reduction through a highly automated level of production. The development and production of the prototypes that will be delivered to H-TEC SYSTEMS as part of the agreement will take place in Germany. The project is scheduled to start in 2023.

The development of the stack components is specially designed for use in PEM electrolyzers in the megawatt range. H-TEC SYSTEMS is currently building its new Stack Manufacturing & Development Center in Hamburg-Rahlstedt which will be one of the largest of its kind in the world. At this new, ultra-modern and climate-neutral production and development plant, the hydrogen expert wants to produce PEM electrolysis stacks with a potential total electrolysis capacity of up to five gigawatts in a highly automated process from 2024 to facilitate the global hydrogen ramp-up. The stacks form the heart of the PEM electrolyzers which are built at the company's headquarters in Augsburg in Bavaria.

"In order to advance the hydrogen ramp-up, speed is essential. We are currently experiencing rapid growth and will open a state-of-the-art and automated factory for the production of PEM electrolysis stacks in the coming year. For this we need strong partners", explained Robin von Plettenberg, CEO of H-TEC SYSTEMS. "As with all our products, we likewise have high quality standards for our large-scale production items. We are looking forward to pressing ahead with our serial production and the quality of our products together with EKPO."

**H-TEC SYSTEMS GmbH**

Alois-Senefelder-Allee 1 • 86153 Augsburg • Germany • T +49 821 507697-0 • Fax +49 821 507697-899 • [info@h-tec.com](mailto:info@h-tec.com) • [www.h-tec.com](http://www.h-tec.com)

Geschäftsführer / Managing Directors: Robin von Plettenberg • Frank Zimmermann • Marius Zasche • Michael Meister

Commerzbank München • Kto.-Nr. / Acct.-No. 0130 206 600 • BLZ / Bank Code 700 400 41 • IBAN DE86 7004 0041 0130 2066 00 • SWIFT/BIC COBADEFFXXX

HR/CR Augsburg • HRB 33998 • USt.-ID-Nr. / Tax ID No. DE 185 367 436

EKPO's expertise is based on more than 20 years of experience in the development of and research into fuel cell technology. The joint venture benefits from the market-leading metal processing expertise of the parent company, ElringKlinger, and can also access the basic knowledge from the Elastomer Technology division in the course of this development project.

The competence in the development of production processes for large-scale series, the experience with a large number of production processes as well as know-how in the processing of different materials help EKPO to develop fuel cell components and to produce them in serial manufacturing processes of the highest quality. Due to the expertise gained over many years, these can be produced individually according to customer specifications with high-precision composite tool technology suitable for large-scale manufacture in a fully automated and linked production process.

Carole Brinati, Managing Director of EKPO, made the point: "Our know-how in fuel cell technology built up over decades and in series production of stack components in particular, provide the basis for being able to offer innovative solutions for various applications. We are pleased to support H-TEC-SYSTEMS, one of the leading manufacturers of electrolyzers, which is significantly driving the expansion of applications based on green hydrogen."

## About H-TEC SYSTEMS

**H-TEC SYSTEMS** develops and produces innovative PEM electrolyzers and electrolysis stacks. With its technology, green hydrogen can be produced economically, efficiently and flexibly. The hydrogen specialists work at two locations in Germany for a successful energy transition across all sectors and have shaped the hydrogen economy as a technological pioneer for over twenty-five years. As part of the MAN Energy Solutions Group, H-TEC SYSTEMS supplies the key technology for the power-to-X value chain.

**Further information:** [www.h-tec.com](http://www.h-tec.com)

---

## PRESS CONTACT | H-TEC SYSTEMS GmbH

**Jessica Kuska**, Communications Manager:  
[j.kuska\(at\)h-tec.com](mailto:j.kuska(at)h-tec.com) | +49 (0) 821 507697-146

### GlobalCom PR Network

**Wibke Sonderkamp:**  
[wibke\(at\)gcpr.net](mailto:wibke(at)gcpr.net) | +49 (89) 360 363-40

**Caroline Hannig-Sachon:**  
[caroline\(at\)gcpr.net](mailto:caroline(at)gcpr.net) | +49 (89) 360 363-42