

PRESS RELEASE

# hte provides high throughput system for electrolysis to Research Center Jülich

**HEIDELBERG, Germany [September 20, 2022] hte – the high throughput experimentation company was awarded the contract by Research Center Jülich to provide a high throughput test system for electrolysis. This unit will enable hte to apply its expertise and strong technology platform for high throughput testing for catalytic processes to expand into the field of electrocatalysis.**

hte has amassed a great deal of expertise in the field of high throughput technology over the past 20 years through the successful development, design, construction, and operation of high throughput R&D test systems. hte uses a modular design approach to customize its proprietary technologies to the needs of its customers. The technology offers major benefits with the available software packages and specifically developed digitalized data workflow for R&D.

“We selected hte because of its proven expertise in the design, construction and implementation of reactor systems combined with fast and efficient online analytics and a fully integrated software solution. We are really looking forward to working together to significantly enhance our R&D output in the field of electrocatalysis,” says **Prof. Rüdiger Eichel from Research Center Jülich.**

**Wolfram Stichert, CEO at hte,** comments, “We are pleased to extend our core competence in catalyst testing into the emerging field of electrocatalysis and hydrogen generation. We really look forward to building up a strong partnership with Research Center Jülich within this project and beyond.”

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Figure 1: hte laboratory

### About Research Center Jülich

The Forschungszentrum Jülich (FZJ) is one of the largest research centers in Germany. Its energy research focuses on science related to the defossilization and transformation of the energy system. FZJ will continue to expand its scientific contribution to the transformation of the energy sector by strengthening its research on renewable energies and storage technologies as well as its system competences along basic value chains and system chains. One example is the systemic linkage of value chains leading from electricity generation and photovoltaics right up to storage by electrolysis or novel battery systems, i.e. an approach which facilitates the development of Power-2-X-2-Power technologies. A particular focus of the Institutes for Energy and Climate Research (IEK's) at the FZJ are electrochemical technologies for energy conversion and storage and thus, electrocatalysis. The key strategy of the IEK-9 located at the Jülich campus is to bridge fundamental aspects and applied industrial relevant electrochemical research topics by using advanced operando microscopy and spectroscopy techniques on various scales. In addition, IEK-9 with its Joint Lab for In-Operando Spectro-Electrochemistry (JoLIE) – a collaborative characterization platform for the in-depth spectroscopic investigation of energy conversion technologies under realistic operating conditions – and its expertise on materials development for climate-neutral and sustainable energy conversion. The aim of the investigations is a fundamental understanding of reaction mechanisms in new knowledge-based developed materials and process optimization.

### About hte

At hte – the high throughput experimentation company, we make R&D in the area of catalysis faster and more productive. We enable cost-effective innovations and reduced time to market for new products, thereby allowing our customers in the energy & refining, chemical & petrochemical, and environmental industries to keep ahead of the competition.



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Our technology and services comprise:

- **R&D Solutions:** highly efficient contract research programs at hte's state-of-the-art laboratories in Heidelberg, Germany
- **Technology Solutions:** integrated hardware and software solutions, enabling our customers to establish high throughput workflows in their own laboratories.

Our customers benefit from broad technical and scientific expertise, exceptional customer orientation, complete end-to-end solutions, and outstanding data quality. Our close ties with BASF guarantee long-term orientation and stability.

For more information, visit our website [www.hte-company.com](http://www.hte-company.com).

### Contact for Press

hte GmbH  
Jacqueline Stalica  
Kurpfalzring 104, 69123 Heidelberg, Germany  
T: +49 (0) 6221 - 74 97 - 290  
F: +49 (0) 6221 - 74 97 - 137  
[jacqueline.stalica@hte-company.de](mailto:jacqueline.stalica@hte-company.de)

### Contact for Business Development

hte GmbH  
Dr. Fabian Schneider  
Kurpfalzring 104, 69123 Heidelberg, Germany  
T: +49 (0) 6221 - 74 97 - 524  
F: +49 (0) 6221 - 74 97 - 137  
[fabian.schneider@hte-company.de](mailto:fabian.schneider@hte-company.de)