

## **Hydrogenious LOHC partners with Eastman to serve sustainable hydrogen market**

Strategic partnership to make storage and transportation of hydrogen easier, affordable and sustainable

MARL, Germany, July 13, 2021 – Eastman and Hydrogenious LOHC Technologies, a leading pioneer in the liquid organic hydrogen carrier (LOHC) industry, are partnering to make the storage and transportation of sustainable hydrogen more secure, easier and more affordable for the fast-growing clean energy market.

“We are excited to begin this partnership, which will continue to strengthen as we explore scale-up of our ability to supply global liquid organic hydrogen carrier demand,” said JP Kuijpers, Eastman’s managing director for the EMEA region.

“Eastman’s specialty fluids business is uniquely positioned to partner with Hydrogenious, given our extensive experience in fluid supply for solar renewable energy projects and global manufacturing, logistics and technical service expertise in industrial fluids,” added Kuijpers.

Eastman is poised to meet the increasing needs of the hydrogen transport industry through production of an LOHC specialty product — a member of the Marlotherm family — which is a carrier medium that chemically binds the hydrogen molecules to ensure safe and easy logistics and storage.

The product is produced at Eastman’s site in Marl, Germany, and can be reused even after several hundred cycles. Eastman can also reprocess the fluid to enable significant greenhouse gas emission reductions and contribute to a truly circular economy. In 2020, Eastman was named one of the world’s most sustainably managed companies by The Wall Street Journal.

“Partnering with a company with the reach and capacity of Eastman is a major step in the implementation of green hydrogen stored in LOHC as energy carrier of the future,” said Dr. Daniel Teichmann, CEO and founder of Hydrogenious LOHC. “The increased availability of Eastman’s benzyl toluene carrier fluid as well as technological improvements will enable large-scale hydrogen infrastructure projects and will create the groundwork now for the needs of a future global hydrogen economy.

“A key issue in our collaboration is focus on optimizing the carrier medium, so you can always end up in the reprocessing process.”

European policymakers have laid out ambitious targets, strategies and funding to develop the sustainable hydrogen market. Sustainable hydrogen is expected to play an essential role in the decarbonization of energy-intensive sectors of the global economy. It will play a key role in the European Union reaching its goal of achieving carbon neutrality by 2050.

Founded in 1920, Eastman is a global specialty materials company that produces a broad range of products found in items people use every day. With the purpose of enhancing the quality of life in a material way, Eastman works with customers to deliver innovative products and solutions while maintaining a commitment to safety and sustainability. The company's innovation-driven growth model takes advantage of world-class technology platforms, deep customer engagement, and differentiated application development to grow its leading positions in attractive end markets such as transportation, building and construction, and consumables. As a globally inclusive and diverse company, Eastman employs approximately 14,500 people around the world and serves customers in more than 100 countries. The company had 2020 revenues of approximately \$8.5 billion and is headquartered in Kingsport, Tennessee, USA. For more information, visit [www.eastman.com](http://www.eastman.com).

### **About Hydrogenious LOHC Technologies**

Hydrogenious LOHC Technologies adds the missing link to high-performing hydrogen value chains globally. Based on its proprietary and proven Liquid Organic Hydrogen Carrier (LOHC) technology with benzyltoluene as carrier medium, Hydrogenious allows for superior, flexible hydrogen supply to consumers in industry and mobility across the globe — utilizing conventional liquid-fuel infrastructure. The leading LOHC pioneer offers (de-)hydrogenation plants and O&M services, ensuring safe, easy and efficient hydrogen storage, transport and distribution. The German-based SME was awarded with “The Innovation Prize of the German Economy” as well as has been recognized on the "Global Cleantech 100" list four times in a row. With its >100 staff members and strategic investors AP-Ventures, Covestro, Hyundai Motor Company, Mitsubishi Corporation, Royal Vopak and Winkelman Group, Hydrogenious LOHC the midstream player is a major enabler and accelerator for the energy transition.  
[www.hydrogenious.net](http://www.hydrogenious.net)

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#### **Media contact:**

Brad Lifford

Eastman Chemical Company

Corporate Communications Representative

423-229-6543, 423-707-4384 (mobile)

[blifford@eastman.com](mailto:blifford@eastman.com)