

Press Release

Essen, 22 March 2024

OGE puts its TransHyDE H2 laboratory – which is unique in Germany – into operation

Within the span of two years, OGE has planned, built and commissioned its innovative TransHyDE H2 laboratory in Essen. The TransHyDE project is one of three flagship hydrogen projects funded by the German Ministry of Education and Research and now provides a facility where six process gas chromatographs from various manufacturers will be tested for their H2 readiness using various H2 test gases and also be developed further.

Unique laboratory closes gap in the H2 industry

Precise billing for the amount of energy supplied in the gas industry requires officially verified and highly accurate measuring instruments, since the amount of energy is calculated from the gas flow and gas quality measured. This is why the industry needs verified process gas chromatographs, which are not yet available on the market for hydrogen.

To support PGC manufacturers, OGE has now set up the H2 laboratory in Essen, which has been designed specifically for the properties of H2. Among other things, the laboratory is equipped with a pure water system and two electrolyzers to simulate conditions that are as realistic as possible.

The flagship hydrogen projects

The three flagship hydrogen projects are a key contribution by the German Ministry of Education and Research to the implementation of the National Hydrogen Strategy. Together, they form one of the Ministry's biggest funding initiatives relevant to the energy transition. They also provide crucial impetus for Germany's entry into the hydrogen economy.



About OGE

OGE gets gaseous molecules flowing. We create and maintain a modern, safe and efficient infrastructure for natural gas, hydrogen and CO₂. Our pipeline network with a length of more than 12,000 kilometres is fundamental to Germany's energy supply and ensures the prosperity of our society. As the market-leading gas transmission system operator, we are a pioneer, driver and enabler of the energy transition and climate neutrality. We see ourselves as transformation consultants and service providers for industry, power plants, distribution system operators and our partners from production and politics. OGE is also a future-proof, modern workplace for more than 2,000 people. In the interests of our employees and shareholders, we continually adapt our business model to ensure lastingly profitable development.

For more information on the company, go to www.oge.net.