

## New hydrogen filling station rolls out in northern Germany

**Opening of power-to-gas plant and hydrogen filling station in Brunsbüttel.**



The Brunsbüttel hydrogen filling station is state-of-the-art and comes from the technology company Linde. Its operation is intuitive for drivers; refuelling is similar to that of conventional vehicles and takes three to five minutes. Up to 80 hydrogen cars can be refilled in Brunsbüttel per day.

The filling station is funded with €1,022,667 from the Federal Ministry of Transport and Digital Infrastructure (BMVI) via the National Innovation Programme for Hydrogen and Fuel Cell Technology (NIP). The programme is coordinated by NOW GmbH (National Organisation for Hydrogen and Fuel Cell Technology).

Located also in Brunsbüttel, Schleswig-Holstein Netz (SH Netz) has built the first plant in Schleswig-Holstein to feed green hydrogen into the natural gas grid. The company has invested around €4.5 million in the new facility. Wind2Gas Energy GmbH & Co KG is the operator of the electrolysis plant (power-to-gas plant) required for the generation of hydrogen, which also supplies the H2 MOBILITY

hydrogen filling station with green hydrogen. Both the SH Netz feed-in facility and the Wind2Gas Energy power-to-gas plant were built on the Covestro Deutschland AG site in Brunsbüttel.

“The facility to integrate hydrogen from wind energy into the gas network is a further important step towards a successful energy transition true to the slogan: from the region – for the region,” says Dr. Joachim Kabs, Chief Technology Officer of SH Netz. “These are the kind of tangible, sector-coupling measures we are taking to achieve a complete energy transition in northern Germany.”

“Feeding hydrogen into the natural gas network represents an important milestone in the energy transition here in the region,” says Tim Brandt, Managing Director of Wind2Gas Energy. “This integrated approach – production of wind power, conversion of surplus electricity into hydrogen, storage in tanks for the planned hydrogen filling station, and feeding the remaining quantity into the natural gas network – is now being tested and demonstrated at the energy and industrial location of Brunsbüttel.