



‘National hydrogen strategy is good starting point for climate-neutral economy’

According to transmission system operator 50Hertz, the national hydrogen strategy that the German Federal Cabinet decided on today is ‘a good starting point for a climate-neutral economy by 2050’. In this strategy, efficient coupling between the industrial hydrogen production and the power grids plays a decisive role.

‘The development of domestic hydrogen production from renewable electricity is a major opportunity to make headway in the decarbonisation of our economy,’ said Stefan Kapferer, CEO of 50Hertz. He continued to say: ‘Offshore, both in the North and Baltic Sea, as well as onshore, there is still more wind power potential that can be exploited in the medium and long term. This in turn will make it possible to establish electrolysis installations in these regions and connect them to the grid in the area of consumption. However, both the development of renewable energy and the expansion of the power grids are reaching the limits of acceptance in Germany. Any plans need to take account of this. That is why in the future, it will be inevitable as well as useful to import hydrogen from other parts of the world.’

As a partner, 50Hertz will actively help to maintain and develop the east of Germany as well as Hamburg as locations for major companies in the steel and metal industry. ‘The coupling of hydrogen and secure and high-capacity power grids can also evolve towards a decisive locational advantage for companies to settle here,’ Kapferer continued.

In order to stimulate this development, 50Hertz will first participate in three living labs for the energy transition. In the scope of the GreenHydroChem project, up to 100 MW of electrolysis capacity should be developed at the Leuna site to supply a refinery with hydrogen. In the Schwarze Pumpe reference power plant in Lusatia, a 10-MW storage power station is planned that can provide ancillary services for the operation of the power grid, and in the North German living lab, an approach is pursued to supply climate-friendly energy to energy-saving city quarters at five sites, e.g. in Hamburg. In the scope of all these projects, 50Hertz is working together with renowned regional and cross-regional partners from the economic sector and the scientific world.

About 50Hertz

50Hertz operates the electricity transmission system in the north and east of Germany, which it expands as needed for the energy transition. Our extra high voltage grid has an electrical circuit length of about 10,490 kilometres, or the distance between Berlin and Rio de Janeiro. The 50Hertz control area covers the Lander

of Brandenburg, Mecklenburg-Western Pomerania, Saxony, Saxony-Anhalt and Thuringia, as well as the city states of Berlin and Hamburg. Within these regions, 50Hertz and its 1,100 employees ensure that 18 million people are supplied with electricity around the clock. 50Hertz is a forerunner in the field of secure integration of renewable energy: in our grid area, more than 60 percent of the electricity consumed is already generated from renewable sources, and the trend is rising. The shareholders of 50Hertz are the Belgian Elia Group (80 per cent) and the KfW bank group with 20 per cent. As a European transmission system operator, 50Hertz is a member of the European association ENTSO-E.

More informationen:

Live data from our network is available in the 50Hertz app for Apple, Android and Windows. Information and download links at [50hertz.com/app](https://www.50hertz.com/app).



Contact

50Hertz Transmission GmbH | Heidestrasse 2 | 10557 Berlin | Germany

Dep. Press officer | Volker Gustedt | T +49 30 5150 2878 | M +49 151 5537 7634 | volker.gustedt@50hertz.com