



wintershall dea

## PRESS INFORMATION

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### THE ENERGY TRANSITION WILL REQUIRE A VARIETY OF TECHNOLOGIES

- Appeal to German policymakers: Gas grid infrastructure, natural gas, CCS and hydrogen will all be essential for a successful energy transition
- Hydrogen from natural gas will remain indispensable for the decarbonisation of industry

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**Berlin.** The European gas industry is working hard to rapidly develop hydrogen solutions. "To produce hydrogen in a climate-friendly way, we must make use of all technologies – be it steam reforming, electrolysis or pyrolysis. In other words, hydrogen from renewable energies and from natural gas," said Margarethe Kleczar, Vice President Carbon Management and Hydrogen at Wintershall Dea on 2 June at the BDEW Congress in Berlin. "We will need this technological diversity to make the energy transition a success and to maintain energy security," Kleczar added. According to the coalition agreement of Germany's federal government, Germany alone will need up to 110 TWh of hydrogen in 2030 – an amount that will not be possible to achieve solely from renewable sources. For this reason, gas producers, municipal utilities, grid operators and heating manufacturers are all confronting the transition to a higher use of H<sub>2</sub> in equal measure.

### **Decarbonising of industry with hydrogen and CCS**

Decarbonising of industry will make a significant contribution to reaching the climate targets of Germany and the European Union. In industries

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such as those for steel, cement or chemicals, there are production steps in which the use of fossil fuels is still required. Some of these processes, which account for a major share of total greenhouse gas emissions in Germany, will not be able to be completely electrified in the future – or only by using very large amounts of resources.

Hydrogen as an energy carrier and the underground storage of CO<sub>2</sub> will represent important building blocks for the decarbonisation of industry and thereby for achieving these climate targets. “The gas industry has the ideas, the know-how and the will to change and evolve. Without a future-proof gas grid infrastructure, natural gas, carbon capture and storage (CCS), and hydrogen, the energy transition and a more secure energy supply will not be possible. At Wintershall Dea, we want to do our part and continue to advance the transformation of the gas industry using CCS and hydrogen,” says Hugo Dijkgraaf, Chief Technology Officer at Wintershall Dea.

### **Wintershall Dea active in various projects**

- At the **EnergyHub in Wilhelmshaven**, Wintershall Dea plans to produce hydrogen from Norwegian natural gas and green wind power. [More information on BlueHyNow.](#)
- In **Denmark**, Wintershall Dea is involved in a project to safely store CO<sub>2</sub> under the Danish North Sea. [More information on Greensand.](#)



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- Wintershall Dea is involved in various projects related to producing hydrogen via **pyrolysis**, which generates hydrogen and solid carbon from natural gas and renewable electricity. The technology is very energy-efficient, and the facilities can be used in a decentralised and modular way. [More information](#).

### **About Wintershall Dea**

Wintershall Dea is Europe's leading independent natural gas and oil company with more than 120 years of experience as an operator and project partner along the entire E&P value chain. The company with German roots and headquarters in Kassel and Hamburg explores for and produces gas and oil in 13 countries worldwide in an efficient and responsible manner. With activities in Europe, Russia, Latin America and the MENA region (Middle East & North Africa), Wintershall Dea has a global upstream portfolio and, with its participation in natural gas transport, is also active in the midstream business. **More in our [Annual Report](#).**

As a European gas and oil company, we support the EU's 2050 carbon neutrality target. As our contribution we have set ourselves ambitious targets: We want to be net zero across our entire upstream operations – both operated and non-operated – by 2030. This includes Scope 1 (direct) and Scope 2 (indirect) greenhouse gas emissions on an equity share basis. In addition Wintershall Dea will bring methane emissions intensity below 0.1 per cent by 2025 and maintain zero routine flaring of associated gas in its operations. The climate goals are to be achieved through portfolio optimization, emissions reduction through more energy efficiency, investments in nature-based compensation solutions and in future technologies such as hydrogen and CCS. **You can find more about this in our [Sustainability Report](#).**

Wintershall Dea was formed from the merger of Wintershall Holding GmbH and DEA Deutsche Erdoel AG, in 2019. Today, the company employs around 2,500 people worldwide from almost 60 nations.

More information on the Internet at [www.wintershalldea.com](http://www.wintershalldea.com) or follow us on [Twitter](#), [Facebook](#), [LinkedIn](#), [YouTube](#) and [Instagram](#).