



wintershall dea

GERMANY

WINTERSHALL DEA

## DOMESTIC PRODUCTION

### Securing supply on our doorstep

Wintershall Dea has its roots in Germany – and has been producing natural gas and crude oil there for many decades. In 2022, the company produced 33 thousand barrel of oil equivalent per day, supplying four million German single households with electricity and heat. Wintershall Dea plays its increasingly important part in ensuring Germany's supply security, develops sophisticated production technologies, and sets standards in occupational health and safety, as well as in the environment protection.

As Europe's leading independent natural gas and oil company, Wintershall Dea assumes two major socially relevant responsibilities in Germany: contributing to domestic energy supplies on the one hand and offering large-scale decarbonisation solutions to industry and society on the other. Wintershall Dea is part of the solution and ensures an efficient, secure, and environmentally compatible energy supply. The company leverages on state-of-the-art technologies, decades of profound subsurface and drilling know-how, the highest safety standards and over 125 years of experience in E&P.



Domestic natural gas makes Germany's energy supply more independent. Every molecule counts; for a reliable, secure, and efficient energy supply is the fundamental basis of a competitive industrial nation and a progressive society. It is Wintershall Dea's conviction that securing the supply of energy starts on our own doorstep. Subject to the prevailing regulatory and economic circumstances, the company sees the chance to increase annual domestic gas and oil production from existing projects in Germany by up to ten per cent within the next years.

Germany's federal states and municipalities also benefit from domestic production. After all, Wintershall Dea as an employer, taxpayer and customer is an important economic factor. The company has strong roots at all its German locations and a tradition of nurturing open and transparent dialogue with neighbours and citizens.

## Domestic natural gas



Wintershall Dea has been producing natural gas from the "Völkersen/Völkersen North" reservoir since 1992.

In 2022, Wintershall Dea produced approximately 750 million cubic metres of natural gas in Germany. The Gas Nord production facility at Langwedel-Holtebüttel, Lower Saxony, is the centre of Wintershall Dea's German gas production. Here the company has been producing and processing natural gas for more than 30 years. The fields of the Gas Nord production facility, **Bötersen**, **Hemsbünde** and **Völkersen**, are among the **ten most productive** in Germany. Since the production start, a total of over 100 billion cubic metres of natural gas have been produced in Lower Saxony.

In 2021, 5.2 billion cubic metres of domestic natural gas were produced in Germany. Natural gas produc-

tion in Lower Saxony is responsible for 97 per cent of the total German production and covers five per cent of Germany's demand. This shows the economic and ecological importance of domestic production – close to the consumer, environmentally friendly and without long transport routes.

In late 2021, Wintershall Dea initiated a Leak Detection and Repair (LDAR) programme to mitigate methane emissions in line with our announced target to reduce corporate methane emissions intensity below 0.1 per cent by 2025. The programme started in Germany as a pilot project.



## Domestic crude oil



The Mittelplate drilling and production island is located in the Wadden Sea in Schleswig-Holstein.

On the southern edge of the Wadden Sea National Park in Schleswig-Holstein, seven kilometres off the coast, the **Mittelplate** drilling and production island is located. Wintershall Dea has been producing oil from Germany's most important oil field for more than 35 years – **safely and without incidents**. That is attributable to responsible conduct, the use of cutting-edge technology, highly qualified employees, and complex monitoring and safety systems. In October 2020, the power supply of Mittelplate island and the onshore station Dieksand was converted to 100 per cent certified electricity from renewable sources, to reduce the ecological footprint of oil production in the Wadden Sea. In addition, the Mittelplate supply vessels are being converted from diesel to hydrogen hybrid propulsion.

Since 1987, Wintershall Dea has produced more than 40 million tonnes of oil from Mittelplate. In addition to the successful offshore production operated from the Mittelplate drilling and production island, Wintershall Dea also recovers oil from the eastern parts of the reservoir from the shore using extended reach production wells, which are some of the longest of their kind worldwide.

Wintershall Dea's activities on Mittelplate are an important economic factor in the federal state of Schleswig-Holstein. The valuable raw material from the Mittelplate oilfield is processed locally into a variety of high-quality products. Around 1,000 jobs are directly related to oil production in the Wadden Sea.



Wintershall Dea has been producing crude oil at Emlichheim for more than 75 years.

One of Germany's oldest oil fields is located in **Emlichheim** on the German-Dutch border. Wintershall Dea has been producing crude oil at a consistently high level here for more than 75 years.

In 2021, Wintershall Dea put into operation a pipeline to make the transport of oil even safer and more efficient. The approximately 14 kilometres long pipeline connects the oil field with the treatment plant in Osterwald and the refinery in Lingen.

**Barnstorf** in Lower Saxony is Wintershall Dea's central technology and training location and boasts various underground services, the technology centre, and the global drill core warehouse. In 2018, Wintershall Dea expanded the technology centre, equipping it with state-of-the-art digital technologies. Around 5,000 samples from production regions worldwide are analysed here each year.

In early 2022, Wintershall Dea also established here the **Decommissioning** department. With the new department, the company has a second mainstay alongside natural gas and crude oil production: the structured and strategically planned comprehensive decommissioning of production facilities and pipelines, the plugging of wells and other remediation measures. In this way, Wintershall Dea aims to return the land to the communities in the natural and good condition in which it was taken over many years ago.

## Hydrogen production and carbon management



View on Wilhelmshaven: the emerging Energy Hub will be a pivot for the energy transition.

Wintershall Dea is planning major new projects to produce **clean hydrogen** and develop a **CO<sub>2</sub> hub** in Wilhelmshaven.

**BlueHyNow**, is a planned project to produce large quantities of hydrogen from natural gas in Wilhelmshaven from 2028 on. **CO<sub>2</sub>nnectNow** is planned to become a CO<sub>2</sub> hub, where unavoidable CO<sub>2</sub> emissions captured from industrial processes are planned to be collected and transported from Germany's only

deep-water port to geological formations in the Norwegian and Danish North Sea to be permanently and safely stored.

For Wintershall Dea, BlueHyNow and CO<sub>2</sub>nnectNow are part of an extensive, cross-border portfolio of energy efficiency and climate protection projects. **Hydrogen and CCS** projects have a key role in the constantly growing portfolio. Read more in our factsheet **Carbon Management & Hydrogen**.

### Wintershall Dea in Germany: at a glance

- **Market entry:** 1894
- **Onshore:** Lower Saxony
- **Offshore:** Schleswig-Holstein
- **Gas and oil production (in 2022):**  
13 mboe per day / 20 mboe per day
- **Ratio of gas to oil:** 39% gas / 61% oil

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