



wintershall dea

GERMANY

WINTERSHALL DEA

DOMESTIC PRODUCTION

Contribution to supply security

Wintershall Dea has its roots in Germany – and has been producing natural gas and crude oil there for many decades. The company will continue to play its part in ensuring Germany’s supply security, develop sophisticated production technologies and set standards in health, safety, and the environment. We export the know-how acquired at home all over the world.

It is Wintershall Dea’s conviction that securing the supply of energy starts on our own doorstep. Whether industry, transportation, heating or agriculture – Germany needs domestic energy resources and we supply them. To produce gas and oil, great technological expertise and prudence are required. Wintershall Dea has acquired its outstanding technological competence in Germany, the country of engineering skill. In particular, Wintershall Dea sets standards when it comes to research into natural gas production and increasing the recovery rate from crude oil reservoirs.



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.



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

Domestic natural gas

Lower Saxony is the centre of natural gas production in Germany. **Bötersen, Hemsbünde** and **Völkersen**, the natural gas fields in this federal state, are among the ten most productive in the country. Wintershall Dea has produced natural gas from the "Völkersen/Völkersen North" reservoir since 1992. The Gas Nord production facility at Langwedel-Holtebüttel in the district Verden an der Aller is responsible for producing and processing the natural gas.

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% by 2025. The programme started in Germany as a pilot project and is expected to be rolled out worldwide after successful implementation.

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 can be found. Wintershall Dea has been producing oil from what is by far Germany's most important crude field for more than 34 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. Our track record shows: Crude oil production and protection of the environment can also be reconciled in a sensitive ecosystem.

Since 1987, Wintershall Dea has produced around 40 million tonnes of oil on the Mittelplate drilling and production island. To ensure that Mittelplate can continue making an important contribution to domestic production in the future, Wintershall Dea initiated a further drilling campaign in 2017. In addition to the successful offshore operation, 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 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 2020, the company completed a campaign with a total of four new wells to keep production stable in the Emlichheim oil field. The wells tap the oil reservoir, the Bentheimer Sandstein, at a depth of 800 to 900 metres.

In 2021, Wintershall Dea put into operation a pipeline to make the transport of oil even safer and more efficient. The approximately 14 km long pipeline connects the oil field with the operating site in Osterwald (Bentheim county).

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.

The centrepiece of the new lab is a micro-computed tomography system assisting the 35-person team with the analyses. Using the new high-tech equipment, the so-called digital rocks method, Wintershall Dea’s experts produce high-precision 3D images of drill cores from natural gas and crude oil reservoirs.

Wintershall Dea also has a long tradition of producing crude oil at its Barnstorf location (Diepholz district). In addition, there will be an increasing number of dismantling and renaturation activities, for which the company will also be increasingly dependent on the expertise of the team in the production district in the coming years.

Natural gas and crude oil from Germany provide a decisive home advantage for our energy supply. Every cubic metre and litre produced at home means a bit of independence and strengthens the domestic economy.

Wintershall Dea in Germany: at a glance

- **Market entry:** 1894
- **Onshore:** Lower Saxony
- **Offshore:** Schleswig-Holstein
- **Gas and oil production (in 2021):**
18 mboe per day / 22 mboe per day
- **Ratio of gas to oil:** 45% gas / 55% oil

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