



FACTS & FIGURES

SOUTHERN NORTH SEA

OIL AND GAS PRODUCTION "ON YOUR DOORSTEP"

Wintershall Dea in the North Sea

Almost a quarter of the natural gas consumed in Germany today comes from the countries bordering the North Sea – the Netherlands, Denmark and the UK. For Wintershall Dea, Europe's largest independent producer of natural gas and crude oil, the North Sea forms part of its traditional production area.

United Kingdom – Natural gas from the British continental shelf

Wintershall Noordzee currently holds three licences in the British North Sea and acts as the operator in all cases. Wintershall Noordzee has a 24.75 per cent interest in the Wingate gas production platform. The company's first operated natural gas production facility in the British North Sea has been producing natural gas since 2011 and produced approximately 518,000 cubic metres of natural gas per day in 2019. The Sillimanite natural gas field was discovered in 2015 and is located directly North of Wingate. Production of the Sillimanite gas field started up in the second half of February 2020.



Wintershall Dea has been active in the Southern North Sea with its Wintershall Noordzee Joint Venture (50% Wintershall Dea, 50% Gazprom International) for over 50 years, and currently holds around 30 licenses in British, Danish and Dutch waters.

The Netherlands – remote operations and innovative platform design

Wintershall Noordzee is one of the larger offshore natural gas producers on the Dutch Continental Shelf, operating over 20 manned and unmanned production facilities in Dutch, Danish, German and British waters. The platforms are controlled from its Central Control Room in Den Helder, The Netherlands. This enables the company to increase its operational efficiency and effectiveness, and also to produce economically even from small fields in the Southern North Sea.

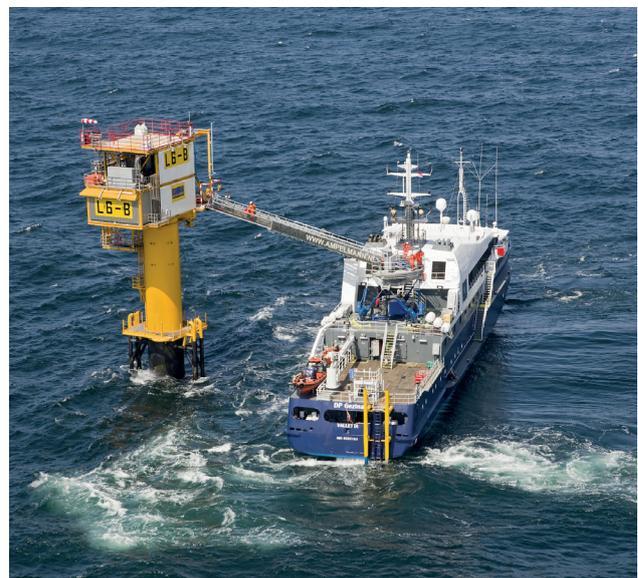
In addition to natural gas, it also plans to produce oil in Dutch waters in the future. Detailed development planning and FEED (Front End Engineering Design) are ongoing for the Rembrandt and Vermeer oil discoveries located some 120 kilometres North of Den Helder within production licence F17a. The Rembrandt field is one of the largest oil discoveries of recent years in the Southern North Sea and it is supplemented by the neighbouring Vermeer oil field.

Rijswijk near The Hague is also home to the company-wide competence centre for offshore technology and for exploration and development in shallow waters. Enhancing offshore expertise for oil and gas production is crucial for developing increasingly complex reserves. This wealth of experience is also used in activities in other regions of the world.

Thanks to its expertise in offshore technology Wintershall Noordzee started producing natural gas from the L6-B mini-platform, which is Wintershall Noordzee's smallest independent gas production platform. Since 2015, the platform has been producing natural gas in a restricted military area about 85 kilometres North of Den Helder. This location required the development of a minimal platform design without a helicopter landing pad and accommodation. Thanks to their small and lightweight construction, such mini platforms can be used flexibly in shallow waters.

Wintershall Noordzee has demonstrated that topsides of closed-in production platforms can also be used multiple times. The topside of the decommissioned E18-A facility came from the decommissioned P14-A production platform. It has now been re-used for the second time as the topside of the newly installed D12-B gas production platform on the Dutch Continental Shelf, close to British sector of the North Sea. With this practice, Wintershall Noordzee shows that environmental protection and economic efficiency are not mutually exclusive when it comes to production.

The L6-B production platform is located in the Dutch sector of the North Sea and is an example of a monopod: a minimum facilities production platform.



Denmark – oil across borders

Due to the merger of Wintershall and DEA into Wintershall Dea, the oil fields Cecilie, Nini and Nine East are owned by Wintershall Dea (as former assets of DEA), while the field Ravn is owned and operated by the joint venture Wintershall Noordzee.

Nini East, in the North Sea at the border of the Norwegian Sea, has come on stream in 2010.

Wintershall Noordzee currently holds two licences in the Danish North Sea: the Greater Ravn area (Licence 2/16) and the Ravn field (Licence 5/06). Wintershall Noordzee is the operator for both licences.



Drawing on the potential of CO₂ storage technologies for a cleaner energy future, Wintershall Dea has entered a newly established CO₂ storage consortium together with industry partners INEOS Oil and Gas Denmark and Maersk Drilling, and research partner the Geological Survey of Denmark and Greenland (GEUS). The consortium aims to use depleted offshore oil reservoirs to permanently store CO₂ captured at onshore industrial facilities. The Danish Energy Technology Development and Demonstration Program (EUDP) is funding the feasibility study to validate compatibility of the reservoirs.

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Wintershall Dea in Southern North Sea: at a glance

- **Country entry:**
1965 (The Netherlands),
2003 (UK),
1980s (Denmark)
- **Small platform L6-B:**
1,100 tons of weight,
no helideck,
no living quarters.
- **The Netherlands:**
8 reused topsides and
8 decommissioned
and removed installations
since 1988.