



wintershall dea



FACTS & FIGURES

UNITED ARAB EMIRATES

A NEW FOCUS ON THE MIDDLE EAST

Investment and growth in Abu Dhabi

Sitting atop some of the world's largest oil and gas reserves, the United Arab Emirates (UAE) is a globally important centre for energy production and a new focus area for Wintershall Dea. In 2018 the company chalked up a major success: a stake in the Ghasha Concession, the largest gas, oil and condensate fields yet to be developed in the UAE. Wintershall Dea holds a 40 year 10 per cent stake in the project in partnership with the Abu Dhabi National Oil Company (ADNOC) as operator, as well as ENI, OMV and Lukoil. This investment came after Wintershall Dea successfully completed appraisal wells in the technically complex Shuwaihat sour gas field, demonstrating the company's operational excellence and building an effective partnership with ADNOC. Recently, Shuwaihat was introduced into the Ghasha concession.

The Ghasha project is a strategic priority in a country with rapidly growing demand for gas. The natural gas produced is intended for use in the UAE, and will make a major contribution to meeting ADNOC's 2030 vision of a sustainable and economic gas supply. Through its investment in Ghasha Wintershall Dea intends to establish a strong and long-lasting presence in Abu Dhabi in partnership with ADNOC.



The UAE is a new growth area for Wintershall Dea. Following the drilling of appraisal wells at Shuwaihat, operations are now concentrated on the offshore fields of the Ghasha concession, to the west of Abu Dhabi.

Factsheet
Wintershall Dea
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Bringing “Made in Germany” engineering to Ghasha

To keep up with growing gas demand, more technically complex fields like the partially ultra-sour Ghasha concession fields must be developed. Sour gas is natural gas containing significant amounts of hydrogen sulfide (H₂S). The high toxicity of hydrogen sulfide creates challenges. Processing facilities are needed to remove it from the produced gas, while production plants and pipes must be designed to cope with hydrogen sulfide’s corrosive nature. The strictest safety standards must be in place to prevent leaks. Since discovering its first sour gas reservoir in 1961, the Düste field near Barnstorf in Germany, Wintershall Dea has been a pioneer of sour gas production. In doing so, Wintershall Dea has developed technical expertise from plant design to operational safety that makes it an attractive partner for the Ghasha project.

Beyond sour gas, the Ghasha concession offers other challenges, such as a sensitive environment and the need to construct artificial islands. In meeting these challenges, Wintershall Dea can draw on its experience at Mittelplate: an offshore oil production site based in the Wadden Sea National Park in north-western Germany. Since 1987 the company has produced oil at Mittelplate incident free and to the strictest environmental and safety standards, using a purpose-built artificial island and applying extended reach drilling.

Whether drilling technically demanding wells, safely producing sour gas, or knowing what counts in ecologically sensitive areas: Wintershall Dea is bringing ‘Made in Germany’ expertise to the UAE.

Wintershall Dea drilled two appraisal wells in the Shuwaihat sour gas field, in 2015 and 2017.



Making a lasting contribution in the United Arab Emirates

With a 40-year contract for the Ghasha concession, the company intends to make a major, long-term contribution in the UAE. Wintershall Dea is proud to be a partner to ADNOC, part of the DNA of the Abu Dhabi economy and the responsible steward of the Emirate’s energy reserves for almost fifty years. Wintershall Dea takes its responsibilities as a partner and guest in the country seriously, focusing not just on the money it invests, but on the wider in-country value it can offer to the UAE. One way is by sharing experience and expertise attained in Germany and other markets in areas like digitalization and Industry 4.0. In this way, Wintershall Dea will make a lasting contribution to the success of the UAE.

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Wintershall Dea in the UAE: at a glance

- **Country entry:** 2010
- **Onshore:** Shuwaihat
- **Offshore:** Ghasha, Shuwaihat
- **UAE’s gas reserves:**
5.9 trillion cubic metres*

* Source: BP Statistical Review of World Energy 2019