

# gorgon offshore facilities



## wells

There are 18 high-rate, big-bore development wells: eight at the Gorgon field and 10 at the Jansz-lo field. Deepwater rigs were used to complete drilling activities to depths of more than 9,000 metres beneath the seabed. Gorgon Stage 2 will add 11 new wells - seven at the Gorgon field and four at Jansz-lo - through an expanded gathering system.

## subsea gas gathering system

A subsea gas gathering system is located on the ocean floor over the Gorgon and Jansz-lo gas fields.

The Jansz-lo field is located approximately 130 kilometres northwest of Barrow Island in 1,350 metres of water. The Gorgon field is located approximately 65 kilometres to the west of Barrow Island in 200 metres of water.

There are 18 subsea trees to contain and control the production wells at both fields. The produced gas from the wells is gathered at several subsea structures installed at each field and transported via pipelines to Barrow Island.

## pipelines and umbilicals

Both field developments are supported by a feed gas pipeline, monoethylene glycol (MEG) injection pipeline, utility pipeline and a fibre optic, electro-hydraulic control umbilical - a total of six product pipelines and two umbilical casings.

The pipelines and umbilicals come onshore on the west coast of Barrow Island. Conduits for the pipelines and umbilicals were drilled beneath the beach via horizontal directional drilling to minimise environmental impact.

The pipelines and umbilicals are buried and run from the west coast of Barrow Island to the east coast, where they tie-in to the gas treatment plant.

## domestic gas pipeline

Gorgon includes a domestic gas plant with the capacity to supply 300 terajoules of gas per day. Domestic gas is exported to the mainland via a pipeline that is more than 90 kilometres long, where it ties-in to the existing Dampier to Bunbury Natural Gas Pipeline.

**gorgon's offshore facilities include many state-of-the-art elements, some beyond the limits of prior industry experience, which were specifically developed and qualified for the project**

The Chevron-operated Gorgon Project is a joint venture between the Australian subsidiaries of Chevron (47.3 percent), ExxonMobil (25 percent), Shell (25 percent), Osaka Gas (1.25 percent), Tokyo Gas (1 percent) and JERA (0.417 percent).

## Gorgon Project

Operated by Chevron Australia in joint venture with



Osaka Gas | Tokyo Gas | JERA