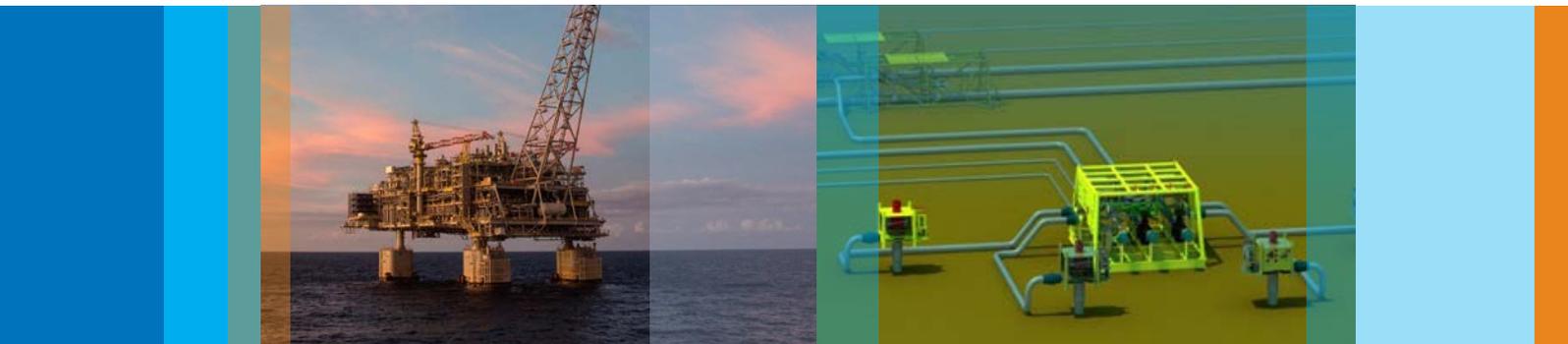




Wheatstone Project

Upstream



The Wheatstone Project Upstream scope includes the design and construction of the offshore facilities, which will supply dehydrated gas and dewatered condensate to the onshore facilities at Ashburton North.

Scope

The offshore facilities will gather the gas and condensate from the wells on the seabed and deliver it to the onshore gas processing plant. The offshore scope has three sections:

- well infrastructure and subsea installations
- gas processing platform, divided into the substructure and the topsides
- 225km trunkline to transport gas from the platform to the onshore facilities at Ashburton North.

Subsea installations

Subsea manifolds will be installed by heavy-lift vessels at depths ranging from 100m-260m across the gas fields.

Drilling rigs will install subsea trees clustered around the manifolds from which the development wells will be drilled. Each development well will be drilled to a depth of approximately 3km.

Pipe-laying vessels will then install a system of corrosion resistant subsea pipelines that will tie the wells back to the processing platform.

Processing Platform

In April 2015 the Wheatstone Project made history with Chevron's heaviest topsides float-over and installation onto the steel gravity substructure (SGS), forming one of Australia's largest offshore platforms.

Situated in 70m of water, the Platform is 225m tall from the base of the SGS to the top of the flare tower and designed to withstand 12 storey-high cyclonic waves.

The platform topsides have a total deck area of 20,000 square metres and includes:

- inlet facilities to receive the incoming gas and condensate production
- separation and cooling equipment to separate the gas from the liquids (condensate and water)
- compression facilities to bring the gas to the required export pressure
- dehydration equipment to dry the gas and de-water the condensate for transport to shore
- export facilities to tie-in the export trunkline transporting gas to the Ashburton North plant site.

To support the processing facilities, the platform also includes:

- living quarters able module to house up to 100 people
- waste treatment facilities
- power generation system with a total generation capacity of 27 mega watts
- safety control systems.

Once operational, the platform will process 2 billion cubic feet of gas per day (Bcf/d), enough for every household and commercial user in Australia, excluding industrial use.

Export trunkline

At 112 centimetres (44 inches) in diameter, the trunkline from the platform to the shore is Australia's largest diameter gas pipeline. It spans about 225km from the processing platform to the Ashburton North plant site. The total weight of the line pipe required is about 200,000 tonnes.

The trunkline crosses the shore via a micro-tunnel. This involved drilling a horizontal tunnel about 3m in diameter for 2km under the shore crossing to avoid coastline disturbance.

Gas fields

Eighty percent of the Wheatstone Project's foundation capacity will be fed with natural gas from the Wheatstone and Iago fields, which are operated by Chevron Australia in joint venture with Australian subsidiaries of Kuwait Foreign Petroleum Exploration Company (KUFPEC) and Kyushu Electric Power Company, together with PE Wheatstone Pty Ltd (part owned by TEPCO).

The remaining 20 percent of gas will be supplied from the Julimar and Brunello fields held by Australian subsidiaries of Woodside Petroleum Limited and KUFPEC.

For more information on the Wheatstone Project contact:

Email: wheatstone.info@chevron.com

TOLL FREE: 1800 782 957