

Ichthys LNG Project CPF – an overview

Well fluid containing, natural gas, condensate and water from the Ichthys Field's subsea wells will undergo preliminary processing on the large, floating Central Processing Facility (CPF).

The CPF will separate condensate and water from the gas. The gas is processed to remove water at the earliest opportunity to make the gas and some condensate suitable for transmission through the gas export pipeline.



Most condensate will be transferred from the CPF to a floating production, storage and offloading facility (FPSO) for offshore processing.

The CPF was constructed at the Samsung Heavy Industries (SHI) shipyard in Geoje, South Korea.

The CPF was officially named the 'Ichthys Explorer' by the Australian Minister for Foreign Affairs, the Hon Julie Bishop, MP, in South Korea, February 2017.

Size and scale:

- The Ichthys Explorer is the **world's largest semi-submersible platform.**
- It weights around **120,000 tonnes**, with topsides measuring **130 metres x 120 metres.**
- It has living quarters for up to **200 people.**
- Preliminary processing of well fluids is undertaken by the CPF, gas sent via the **890 kilometre gas export** pipeline (the longest in the Southern Hemisphere) to Bladin Point, Darwin.



ICHTHYS LNG PROJECT

CENTRAL GAS PROCESSING FACILITY (CPF) – THE FACTS

28 April 2017

Position:

- Once moored at location at the Ichthys Field (**approximately 200km off the northwest coast of Australia** in the Browse Basin), installation hook-up and commissioning will commence.
- It will be **permanently moored** in water about **250 metres deep by 28 anchor chains** and oriented in a north-west to south-east direction.
- **Around 25,000 tonnes of mooring chain** will be used to secure the CPF to the seabed.

40-years of continuous operation:

- The facility will then separate and process the well fluids lifted from subsea production wells into gases and liquids over **40 years of continuous operation.**
- Challenging **new benchmarks** for durability.
- The offshore processing facilities and offloading facilities are **designed for permanent mooring and continuous operation.**
- The CPF is moored in a cyclone area—it is built to **withstand a 10,000 year** weather event

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