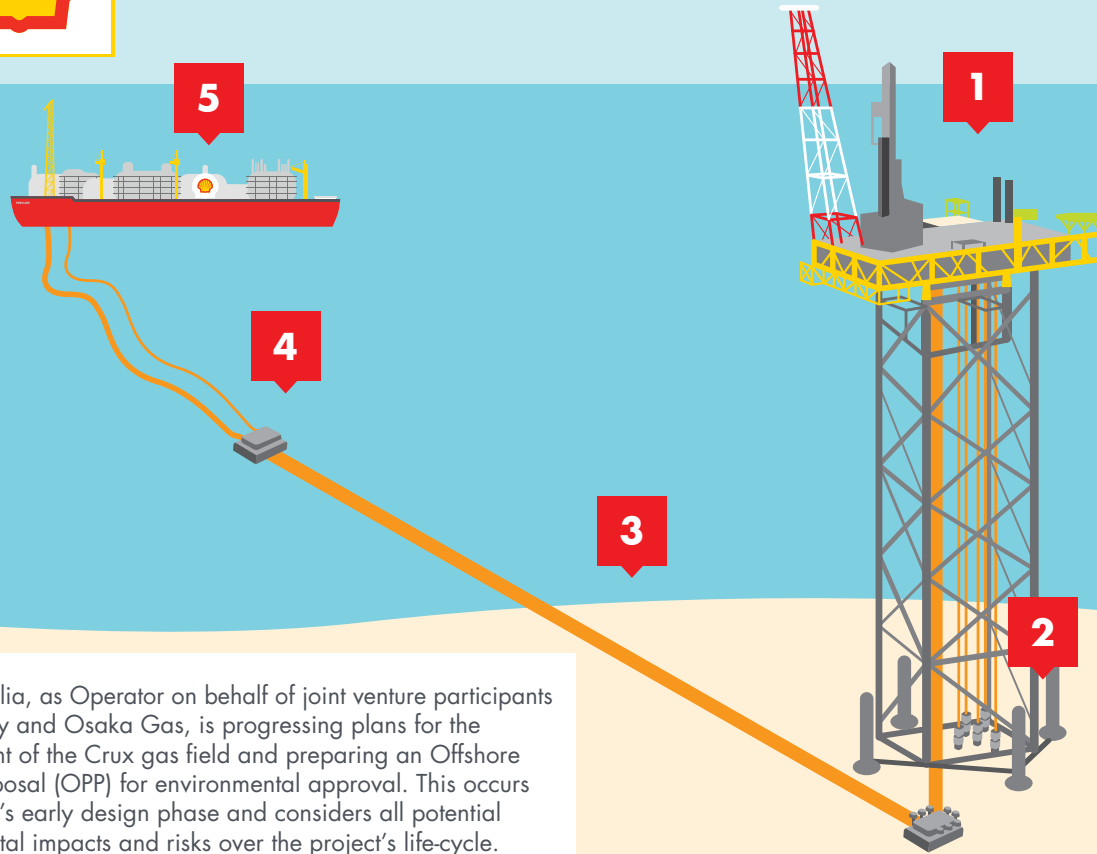




THE PROPOSED CRUX PROJECT



- 1 A NOT NORMALLY MANNED PLATFORM**
which includes dry trees, minimal processing facilities, associated utility systems and **limited** accommodation facilities **for use during maintenance campaigns**.
- 2 5 PRODUCTION WELLS**
tied back to the Not Normally Manned platform.
- 3 AN EXPORT PIPELINE**
approximately 165km long, which ties the Crux platform back to the Prelude FLNG facility.
- 4 SUBSEA TIE-IN SYSTEM**
connecting the export pipeline system between the Crux Not Normally Manned Platform and the Prelude FLNG facility.
- 5 REMOTE OPERATIONS**
the Crux Platform is connected to and remotely operated from the Prelude FLNG facility.

Shell Australia, as Operator on behalf of joint venture participants SGH Energy and Osaka Gas, is progressing plans for the development of the Crux gas field and preparing an Offshore Project Proposal (OPP) for environmental approval. This occurs at a project's early design phase and considers all potential environmental impacts and risks over the project's life-cycle.

Not to scale. Illustration only.

KEY STAGES OF THE CRUX PROJECT



DEVELOPMENT
DRILLING



INSTALLATION AND
HOOK UP OF THE NOT
NORMALLY MANNED
PLATFORM, EXPORT PIPELINE
AND SUBSEA TIE-IN SYSTEM



COMMISSIONING



OPERATIONS
AND
MAINTENANCE



DECOMMISSIONING

There is also potential for future subsea developments in the vicinity of the Crux gas field that will provide hydrocarbons to the Crux platform. These developments are expected to comprise subsea production wells and associated tie-backs to the platform (e.g. flowlines, risers and manifolds).



SAFETY

The Crux platform will be operated remotely from the Prelude FLNG facility and will only require periodic maintenance visits, significantly reducing the operational safety exposure to staff.

OFFSHORE PROJECT PROPOSAL (OPP)

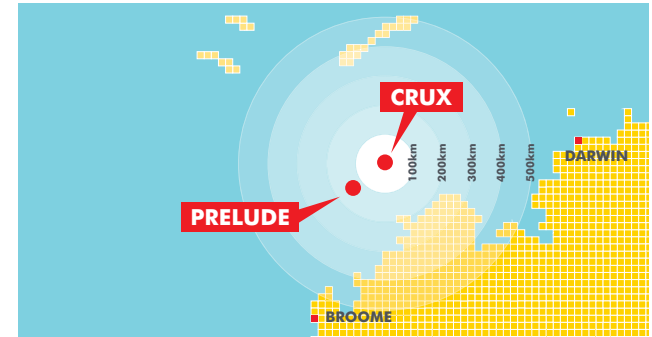
An OPP occurs at a project’s early design phase and considers all potential environmental impacts and risks over the project’s life-cycle. It is subject to review and acceptance by the National Offshore Petroleum Safety and Environmental Management Authority (NOPSEMA) under the *Offshore Petroleum and Greenhouse Gas Storage (Environment) Regulations 2009*.

The Crux OPP will be published on NOPSEMA’s and Shell Australia’s website for a period of public comment ranging from 4 to 12 weeks subject to determination by NOPSEMA. The formal public comment period is expected to occur in 2019.

The OPP is being progressed, with input from:

- baseline studies that have informed the existing context of the Crux project area and surrounds, and
- technical studies to assess environmental impact (such as noise, light, planned and unplanned marine discharges).

Subject to NOPSEMA acceptance of the OPP, it will form the basis for future activity specific Environment Plans (EPs) submitted to NOPSEMA. EPs include further detail of how the impacts and risks for each activity will be managed.



The Crux field is located in Commonwealth marine waters in the northern Browse Basin, 160km offshore north-west Australia and 620km north-east of Broome, in water depths of 110 to 170m.

CONTACT US

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Future updates will be provided as the OPP is developed.

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