The World’s Most Significant Gas Fields:

Gorgon Project

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1.0 Gorgon Project Overview

**Selection Criteria:**
Overview of Project including Size and Significance
Chevron is the Largest Gas Resource Holder in Australia

Greater Gorgon Area holds ~25% of all known Australian gas

*Source: WoodMackenzie database*
Resource Base
Gorgon Joint Venture Participants

- Reliable LNG supply
- Robust facility design
- Wealth of international experience
- Safe, efficient and environmentally responsible development
- 3/4 of the world’s LNG production involves at least one of the GJV or affiliates
Gorgon Project Development Plan

Jansz Field

Gorgon Field

Subsea tie-back to Barrow Island

Domestic Gas Connection to the mainland

LNG Exports

2 x 5mtpa LNG trains & CO₂ Injection on Barrow Island

Existing Domestic Pipeline

Karratha

North West Shelf

AUSTRALIA

Jansz Field

Gorgon Field

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LNG Plant Facilities

- 2 x 5 mtpa LNG trains
- APCI C3MR technology
- Stabilisation, acid gas removal, CO₂ compression, power generation, utilities, LNG storage, materials offload, condensate storage and export facilities
2.0 Market Impact

**Selection Criteria:**

*Production from the field has led to the development of a large downstream gas market or has enabled gas to become the leading fuel in a particular region. The effect of the field on the local economy or the market structure can also be considered.*
Gorgon Project in Australia: Local and National Impact

Gorgon Project Contribution to National & Western Australian GDP
(Net Present Value in 2002)

Source: Gorgon Project Environmental, Social & Economic Impact Statement
Gorgon Project in Australia: Local and National Impact

Gorgon Project Contribution to National & West Australian Employment

- National Employment
- WA Employment

Study Commences

Year

Employment (in thousands)
Innovative Approach to Marketing

- Equity Marketing
- Owner Freedom to Market Independently
- Ground breaking for Project of this size
Chevron – Marketing Gas from the Gorgon Project

4.2 mtpa (~85% of Chevron’s 5 mtpa initial capacity) committed to Japanese buyers

- 1.5 mtpa to Osaka Gas
- 1.5 mtpa to Chubu Electric
- 1.2 mtpa to Tokyo Gas
- Remaining volumes will be available to supply markets such as North America where Chevron is pursuing a portfolio of options for importing natural gas

Chevron expects that Gorgon capacity will eventually be expanded to up to 20 mtpa
3.0 Technological Advances and Challenges

Selection Criteria:
Difficulties faced in developing the reservoir required the application of new techniques, equipment or processes that have subsequently been applied in other upstream projects or are expected to be further developed for future gas production.
All Sub-sea Gas Procurement System
Geo-sequestration of CO₂ emissions
4.0 Sustainable Development

Selection Criteria:
This covers a wide range of issues including the exploitation of natural gas found in ecologically sensitive or environmentally challenging locations, through to issues arising from the production and treatment of acid gas to satisfy economic and environmental imperatives.
Working on an A Class Nature Reserve

Barrow Island

Operating oilfield for 40 years
5.0 Future Potential

**Selection Criteria:**
Large remaining reserves or production levels that could be sustained for several decades to come are indicators of high potential, as are major possibilities for developing new production, enhancing existing production or increasing recoverable reserves by a very substantial amount.
Extensive Resource Base

Est. Total Resource Base of 40 Tcf

NB. No proved reserves have been recognized by any company from the project at this date, and the volume of gas recoverable may differ from these estimates.
Australia: A World Leading LNG Supplier