Gorgon Project Downstream Execution Overview

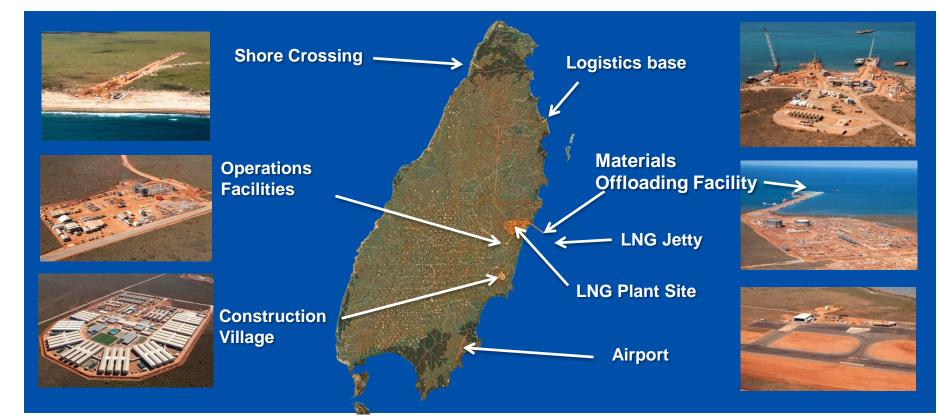
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T AN UL LEL LELL W. Scott Young Gorgon Development Director 25 September 2012

Gorgon Project Downstream Overview

Gorgon Project Barrow Island Infrastructure Scope





5,500 bed construction accommodation

Gorgon Project Scope

- 3 x 5.2 million tons per annum (MTPA) LNG processing trains
- 20,000 barrels per day condensate
- Domestic gas plant with capacity of 275 mmscf/d
- 2 x 180,000 m³ LNG tanks
- 4 x 240,000 barrels condensate tanks
- 5 x 118 MW gas turbine power generation units





Gorgon Project LNG Plant Technology and Design

Technology – proven and reliable

- Air Products and Chemicals Incorporated (APCI) liquefaction technology selected
- BASF was selected for Acid Gas Removal technology
- Aker Process Systems was selected to provide MEG system for hydrate inhibition

Design and constructability

- Designed for long term reliability, availability, operability and safety
- Modularization approach was taken to minimise on-island work, reduce construction footprint and to move work to a world class fabrication facility

Train Capacity

 Engineering models using data from actual purchased equipment and string testing of selected major elements has confirmed throughput of 5.2 MTPA per train



Gorgon Project LNG Loading Terminal



- 1.8 miles of shipping channel (46 feet depth, 210 million feet³ of material dredged)
- 1.3 miles long Materials Offloading Facility (MOF) and Causeway
- 1.3 miles long LNG Jetty, with two loading berths

LNG jetty

Gorgon Project Downstream Engineering, Procurement and Construction Management

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- Kellogg Joint Venture Gorgon (KJVG) selected as Engineering, Procurement and Construction Management contractor
- KJVG was formed in consortium with KBR, Japan Gas Corporation, Hatch Engineering and Clough
 - Bringing local and global expertise
 - Proven track record
 - Demonstrated ability to attract and retain the right people with the right skill sets
 - Proven track record in their areas of specialization
- Design and engineering completed in London and high value engineering centers in Asia
- Procurement managed from London
- Construction contracts managed from Perth



Gorgon Project Proven Downstream Construction Contractors

- Overall scope too large for any single contractor strategy to divide into manageable scope
- Extensive contractor pre-qualification exercise:
 - Financial capability
 - Demonstrated track record in safe and predictable performance
 - Local content
- Develop work scopes to:
 - Reduce contractor interfaces
 - Target top performing contractors
 - Allow consortium and joint ventures
- Leverage Chevron International Master Agreements











Gorgon Project Construction Contractor Selection





Gorgon Project Modularization Downstream Fabrication Status



Korea – Hyundai Heavy Industries (HHI) Fabrication, Ulsan, South Korea. 51 process modules, >200,000 tons.







Indonesia – PT McDermott Indonesia (PTMI), Batam, Indonesia. 72 Pre-assembled racks and pre-assembled units , 32,000 tons.



Gorgon Project Modularization Equipment Modules Fabrication, South Korea



Total of 51 equipment based

modules

First two modules delivered to Barrow Island Remaining 49 to arrive over next 18 months

Range in size from 1,000 to 7,000 tons

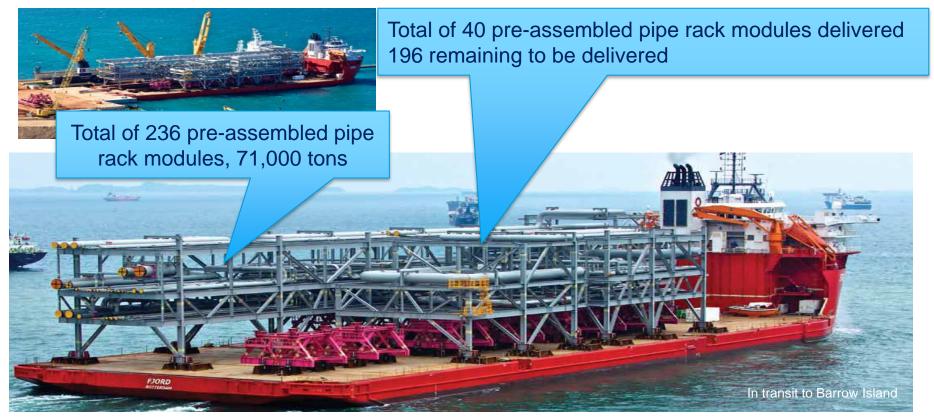
Total Weight =

200,000 tons

LNG process module

Gorgon Project Modularization Pipe Racks Pre-Assembled, China and Indonesia





Gorgon Project Barrow Island Preparing the Site

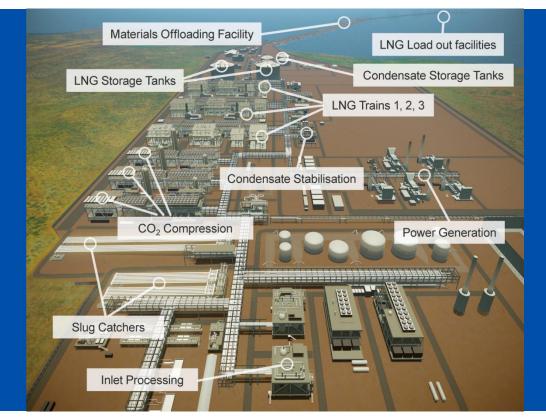


- Plant site equal to length of 65 football fields from inlet to jetty head (4.5 miles)
- Design concept utilized cut and fill process
- Volume of Excavations (173 million cubic feet)
- Remainder for roads and Materials Offloading Facility
- Site preparation complete



Gorgon Project Barrow Island Installation and Integration





Gorgon Project Downstream Achievements



- Completed dredging program
- Foundation plant site preparation
- Expansion of marine logistic bases
- Engineering complete and all major equipment ordered

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Gorgon Project Year-to-date Milestones

- Materials offloading facility fully operational
- Five pre-assembled rack (PAR) module shipments delivered to Barrow Island
 - 40 of 236 PARs on-site
- Raised first LNG tank roof
- First process module shipment delivered to Barrow Island

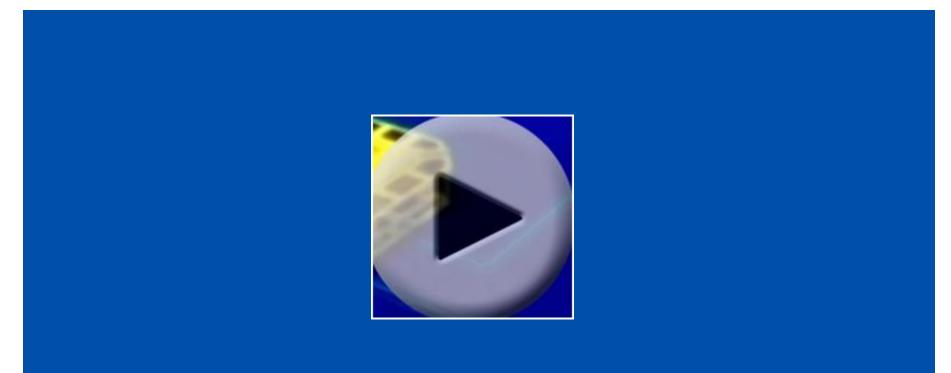






Gorgon Project Update Video





Gorgon Project Implementing Lessons Learned



Lessons learned highlights:

- Last Planner process to achieve maximum productivity during construction, testing and commissioning (Escravos GTL)
- Pre-commissioning Onshore Pipeline Systems to avoid substantial delays in the pre-commissioning of hydraulic power systems (Sakhalin LNG)
- Gorgon's Fault-free Start-up Initiative ensures cleanliness, tightness and integrity of pipes (Pearl GTL)



Escravos Gas to Liquids plant site, Nigeria

Gorgon Project Future Milestones

2012 (Oct - Dec)

- Roof raising on second LNG tank
- Arrival of first gas turbine generator module
- Start mixed refrigerant compressor installation

2013

- All Train 1 modules on site
- LNG jetty ready for commissioning
- Domestic gas pipeline complete





Gorgon Project Downstream Overview

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