

Gorgon Liquefied Natural Gas (LNG) Project

Precision Grouts



The Gorgon Facility in Western Australia

The Background:

The Gorgon Project is one of the world's largest natural gas projects in Australia's history. The project involves developing the gas fields within the Greater Gorgon area, located off the North West coast of Western Australia (WA). It also includes the construction of a 15.6 million tonne per annum liquefied natural gas (LNG) plant on Barrow Island and a smaller domestic gas plant area, located off the North West coast of Western

The Challenge:

In order to build the state-of-the-art LNG facility, CK JV needed a supplier that could deliver the full range of precision grouting products. They also needed a supplier that understood the local environmental and regulatory challenges. They needed to adhere to the biosecurity restrictions put in place to protect the Class A reserve status of the site on Barrow Island.

CK JV needed a trusted global company with the highest level of quality assurance. Also critical to the Project was surety of supply. Given the remote location, lead time from placement of order to arrival on site, was a period of several weeks. This required careful management of scheduling between Master Builders Solutions and the several sub-contractors involved.

Project:

Gorgon LNG Project

Location:

Western Australia

Project completed:

2016

Owner/s:

CB&I Kentz Joint Venture (CK JV)

Products used:

MasterFlow 4500, MasterFlow 815,
MasterFlow 648, MasterFlow 618

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The Gorgon project under construction

Our Solution:

In 2009, the Master Builders Solutions team first began working with the team of CK JV global engineers before construction commenced. These engineers then became the CK JV team leaders in Australia when the Project eventually began in 2011, and this early interaction built the trust and confidence required.

Master Builders Solutions had the quality assurance systems the client was looking for. We further tailored these quality systems to meet the biosecurity requirements. Our packaging and supply systems were aligned to meet the biosecurity restrictions, including labelling, packaging, transport, and fumigation. Individual quality assurance certificates were issued for every batch supplied to the project. Certified on-site applicator training for both placing and testing of our products.

The Customer's Benefit:

- Exclusive partner from design to production over the five-year period
- Maintained the status Class A nature reserve
- Secured quality assurance for a unique project in a unique environment
- Met the strict biosecurity demand imposed for the Project.



Cargo ship arrives at Barrow island

Project Facts at a Glance

- Construction of Gorgon LNG project was 2011-2016
- A range of Master Builders Solutions' cementitious precision and epoxy grouts were used, including MasterFlow 4500, MasterFlow 815, MasterFlow 648 and MasterFlow 618

Master Builders Solutions

Master Builders Solutions is a leading global manufacturer of concrete admixtures, as well as other sustainable solutions for the construction industry, focused on delivering its vision: Inspiring people to build better. Master Builders Solutions provides value-added technology and market-leading R&D capabilities to improve the performance of construction materials and to enable the reduction of CO2 emissions in the production of concrete. Founded in 1909, Master Builders Solutions has more than 1,600 employees and 35 production sites globally with over 150 employees and 6 production sites operating across Australia and New Zealand. Master Builders Solutions supports its customers in mastering their building challenges of today – for a decarbonised future.

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