

Project:

Pluto LNG project

Location:

Western Australia

Project completed:

2012

Applicator/Contractor:

Foster Wheeler WorleyParsons

Market sector:

Precision grouts

Products used & amounts:

MasterFlow 4500, MasterFlow 815, MasterFlow 648 & MasterFlow 618

Pluto liquefied natural gas (LNG) facility

Master Builders Solutions – precision grouts



The Pluto facility in Western Australia. Image source: Woodside image gallery

The background

Woodside is Australia's most experienced LNG operator and largest independent oil and gas company. In a joint venture with Tokyo Gas and Kansai Electric, they began developing plans for a world-class LNG facility, Pluto, in 2005.

The project captures gas from fields located 190 kilometres (km) off the coast of Karratha, in Western Australia. The gas is then sent to shore through a pipeline for processing. One of the project's major contractors, Foster Wheeler WorleyParsons (FWW), turned to Master Builders Solutions for a suite of high precision grouts during the construction phase of the Pluto processing plant.

The challenge

In order to build the state-of-the-art LNG facility, FWW needed to engage a supplier that could deliver the full range of precision grout products. They also needed a supplier that understood the environmental and regulatory challenges.

FWW 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 other sub-contractors involved.

Contact:

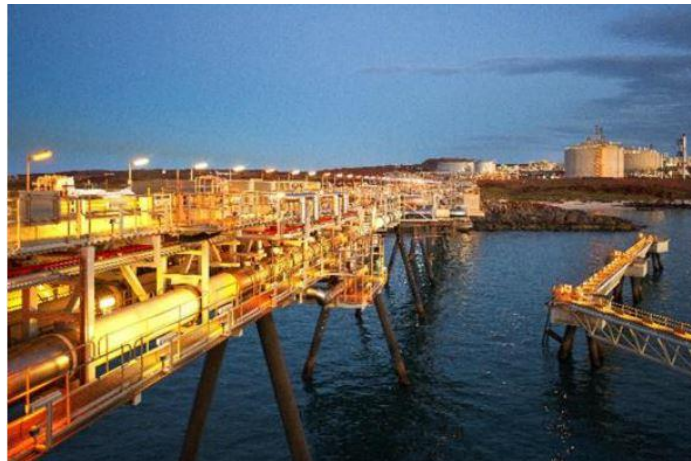
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Pluto LNG onshore gas plant. Source: Woodside image gallery



Loading jetty at Pluto LNG onshore gas plant. Source: Woodside image gallery

Our solution

In 2007, Master Builders Solutions began working with the team of FWW global engineers before the construction process took place. These engineers then became the FWW team leaders in Australia when the Project eventually began in 2008.

This early interaction established the trust and confidence required between Master Builders Solutions and FWW, both locally and globally.

Master Builders Solutions had the quality assurance systems the client was looking for. We further tailored the systems to align with the local environmental, and regulatory quality requirements. Individual quality assurance certificates were issued with every batch supplied to the project. Master Builders Solutions also implemented certified on-site applicator training for both the placing and testing of our products.

Master Builders Solutions aligned production schedules with sub-contractors well in advance of product requirements. This allowed fresh product to be on site on time, and in line with the arrival of overseas modules.

The customer's benefit

- Exclusive partner from design to production, over the five year period.
- Master Builders Solutions delivered the right solutions on time as required.
- Strategic expertise and advice to address challenges as they arose during construction.

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Projects facts at a glance

- Construction period was between 2008 - 2012
- A range of Master Builders Solutions cementitious precision and epoxy grouts specified including MasterFlow 4500, MasterFlow 815, MasterFlow 648 and MasterFlow 618

Master Builders Solutions by MBCC Group

The Master Builders Solutions brand brings all of our expertise together to create chemical solutions for new construction, maintenance, repair and renovation of structures.

Master Builders Solutions is built on the experience gained from more than a century in the construction industry. The know-how and experience of a global community of construction experts form the core of Master Builders Solutions. We combine the right elements from our portfolio to solve your specific construction challenges.

Further information is available at:

www.master-builders-solutions.com/en-au