

THE GORGON PROJECT, BARROW ISLAND

# CRANAGE SOLUTIONS FOR ONE OF THE WORLD'S LARGEST NATURAL GAS PROJECTS

PROJECT	THE CHEVRON-OPERATED
	GORGON PROJECT BARROW ISLAND
	LNG PLANT & AMC HENDERSON WHARF
LOCATION	BARROW ISLAND & PERTH
	WESTERN AUSTRALIA
SECTOR	OIL & GAS
DATE	JUNE 2010 – ONGOING

CRANES	2 X M2480D
ENGINEERS	1
INSTALLATION CREW	3
MAINTENANCE CREW	1



Located approximately 60 km off the northwest coast of Western Australia, is Barrow Island, home to the Gorgon Project. Gorgon is one of the world's largest natural gas projects and the largest single resource development in Australia's history.

In June 2010, we were awarded a contract by KJVG.

## THE CHALLENGE

KJVG were responsible for overseeing the design and construction of the processing plant on Barrow Island.

It was early in the construction phase of the project where an onshore LNG plant including a materials offloading facility (MOF) had to be built before processing could begin.

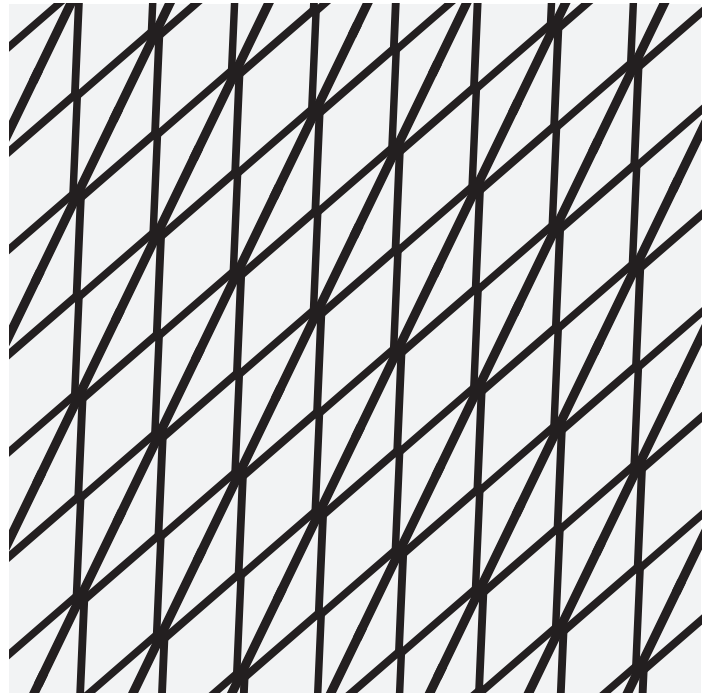
There were a number of issues that we had to contend with in order to find a solution. Importantly, Barrow Island is a Class A Nature Reserve, with non-indigenous species representing the greatest threat to the island's native flora and fauna. Chevron has implemented a strict Quarantine Management System (QMS) that includes more than 300 procedures, specifications, checklists and guidelines to protect the flora and fauna of the island and its surrounding waters. Secondly, Barrow Island is located in an area prone to cyclones, so we needed to design a crane solution that could withstand a Category 5 cyclone.

## OUR SOLUTION

Our solution was to erect a Favelle Favco M2480D tower crane on WAPET Landing.

Off the back of this solution we designed for WAPET Landing, we later implemented a similar solution for the Project at the KJVG's Marine Loading Facility (MLF) at the Australian Marine Complex (AMC) Henderson in Perth.









The Chevron-operated Gorgon Project is located 60 km off the Western Australian coast on Barrow Island, a Class A Nature Reserve..



**JULY 2010:** We installed a Favelle Favco M2480D Tower Crane to discharge and then backload freight and containers for the return journey to the KJGV MLF at AMC Henderson in Perth.



**APRIL 2011:** Off the back of the solution we designed for WAPET Landing, we later implemented a similar solution for the Project at the Marine Loading Facility at the Australian Marine Complex (AMC) Henderson in Perth.