

# Key Subsea Pipeline Structures in Place

In preparation for installation of the Gorgon in-field pipelines, which is scheduled to begin later this year, all 11 buckle initiator structures have been safely placed in position on the sea floor.

Fabricated by Pacific Industrial Company in Naval Base, the buckle initiators are comprised of a base structure and permanent restraint tool, and are an integral part of the Project's offshore operations and subsea pipeline buckle mitigation methodology.

Bunbury-based fabricator Orontide manufactured the permanent restraint tools, as well as two displacement tools and deployment frames which will be used during the installation of the pipeline.

Orontide General Manager Steve Prentice said it was a rewarding experience to play a role in the manufacture of the unique system.

"We had a dedicated project team of around 25 people who manufactured the components that make up the structure. The largest of these weighs more than three tonnes," Mr Prentice said.



All 11 buckle initiator structures have been placed on the sea floor.

## New Contract For Thiess

Thiess has signed a new contract to deliver miscellaneous civil works on the Project up to the value of \$212 million over the next two years.

Thiess Managing Director Bruce Munro said Thiess was delighted to be extending its role on the Gorgon Project.

"LNG Projects like Gorgon are providing major economic and employment benefits to the national, state and local economies," Mr Munro said.

The miscellaneous works covered under the new contract may include earthworks, underground services, concrete works and temporary building works.

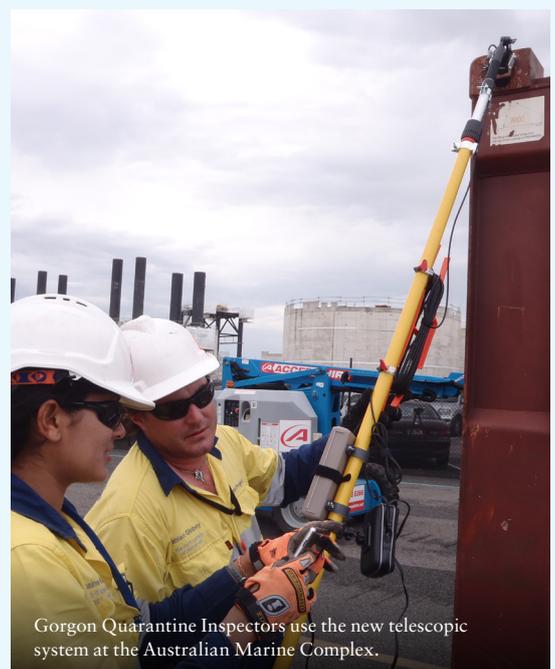
## Keeping an Eye on Quarantine

Quarantine Management is essential to protecting the conservation values of Barrow Island and requires the ongoing commitment, and sometimes innovation, of all personnel on the Project.

Most recently, a member of the quarantine team developed a telescopic video system to inspect hard to reach areas on incoming cargo.

Using a small, light-weight video camera on a telescopic pole, inspectors are now able to get underneath cargo and in tight areas where access is restricted. The video relays imagery back to a screen enabling inspectors to efficiently and safely look for quarantine risk material.

As the telescopic video system can be used underwater it is now being considered as a tool to conduct monitoring on vessel hulls.



Gorgon Quarantine Inspectors use the new telescopic system at the Australian Marine Complex.