Serving the oil and gas sector in Australia for over a decade

In Focus
Jib Cranes

Feature
Australia Projects

Experience List
Australia
We welcome back our readers to the latest issue of the JBC newsletter. In this issue we focus on our activity in the Australian market over the last few years. Not only have we supplied Explosion Proof Cranes but also Jib Cranes and Monorail hoists to 5 LNG projects and 1 FLNG project. The Australian LNG sector has proved to be a very successful side of our business with orders being received from Engineering houses in the US, UK, Japan and France. An Australian experience list is also contained within.

We also focus on site installations as the majority of our contracts require our engineers to assist with installation and commissioning activities.

We hope you enjoy the latest issue and thank you for your continued interest in J.Barnsley Cranes Ltd.

Director - J.Slimm
J.Barnsley Jib Cranes are explosion protected for use in Zone 1 or Zone 2 hazardous areas worldwide. Standard features include motors and electrical systems in ignition protection mode, “flameproof” enclosures: Ex de IIB/IIC T4 & Ex ndeA IIB/C T3, hooks and “ferrous to ferrous” items in non-sparking materials. Operation can be by push travel, hand geared, pneumatic and electric (pushbutton or radio control)

Our Jib Cranes help to increase effectiveness of labour, e.g. in preventing waiting time for EOT cranes, which coupled with their competitive price pays for the initial cost very quickly

<table>
<thead>
<tr>
<th>Standard Jib Crane Types</th>
<th>Capacity</th>
<th>Radius to</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wall Mounted (Over braced)</td>
<td>0.08-12t</td>
<td>6m</td>
</tr>
<tr>
<td>Wall Mounted (Under braced)</td>
<td>0.15-10t</td>
<td>12m</td>
</tr>
<tr>
<td>Floor Mounted (Over braced)</td>
<td>0.08-2t</td>
<td>6m</td>
</tr>
<tr>
<td>Floor Mounted (Under braced)</td>
<td>0.15-10t</td>
<td>12m</td>
</tr>
<tr>
<td>Floor Mounted (Without brace)</td>
<td>0.15-10t</td>
<td>20m</td>
</tr>
</tbody>
</table>
Compressor House Bridge Cranes & Jib Cranes
Onshore LNG Facilities

Request Quotation

Call now on 01384 484811 or EMAIL: sales@jbarnsleycranes.com
**AP LNG**

Conoco Phillips has over 40 years experience in operating and developing LNG facilities around the globe. Working with engineering house Bechtel, J.Barnsley Cranes as supplied four Compressor House Bridge Cranes along with a number of Jib Cranes. The compressor cranes are rated at 64Te (55Te Main Hoist / 9Te Auxiliary) and were designed in accordance with AS1418.1, AS1418.3, BS466, CMAA 70, AS/NZS 60079 and IECEX. The area designated as Hazardous Area Zone 2.

**Shell Prelude FLNG**

In 2013/14 the Topsides modules were installed onto the Hull of the Prelude at the SHI yard in Korea. Some of the modules alone weighed as much as a typical offshore platform. J Barnsley Cranes supplied a total of FIVE Explosion Proof Bridge cranes on the project the largest being the 75Te Double Girder Compressor House Crane. The engineering house on the project was Technip in France. The cranes were designed to ATEX and IECEX and are suitable for Hazardous area Zone 2.

**QC LNG**

This BG Group facility had virtually identical equipment to that of the AP LNG Project. Again working with engineering house Bechtel, J.Barnsley Cranes as supplied four Compressor House Bridge Cranes along with a number of Jib Cranes. The compressor cranes are rated at 64Te (55Te Main Hoist / 9Te Auxiliary) and were designed in accordance with AS1418.1, AS1418.3, BS466, CMAA 70, AS/NZS 60079 and IECEX. The area designated as Hazardous Area Zone 2.
Shell Prelude FLNG
The Prelude FLNG system will be used in the Prelude and Concerto gas fields in the Browse LNG Basin, 200 km off the coast of Australia; drilling is expected to begin in 2017, and have a planned life expectancy of 25 years. Prelude FLNG is the world’s first floating liquified gas platform in addition to being the largest offshore facility ever constructed.

Wheatstone LNG
The Wheatstone facility is expected to have a capacity to produce up to 25mtpa of LNG. The initial phase is expected to have a capacity of 8.6mtpa LNG, with the final investment decision to be announced in 2011. Gas will be processed at an onshore facility located at Ashburton North, 12km west of Onslow in Western Australia’s Pilbara region.

Gorgon LNG
The Gorgon Project is developing the Gorgon and Jansz-Io gas fields, located within the Greater Gorgon area, between 130 and 220 kilometres off the northwest coast of Western Australia.

It includes the construction of a 15.6 million tonne per annum (MTPA) liquefied natural gas (LNG) plant on Barrow Island and a domestic gas plant with the capacity to supply 300 terajoules of gas per day to Western Australia.
AP LNG
The project involves the development of Australia Pacific LNG’s coal seam gas resources in the Surat and Bowen basins in central south west Queensland, a 520 kilometre transmission pipeline, and a multi-train LNG facility on Curtis Island, near Gladstone, Queensland.

QC LNG
The project’s first stage will comprise two processing units, known as LNG trains, at the Curtis Island plant. These trains, which have a design life of at least 20 years, will produce a combined 8.5 million tonnes of LNG a year. The site can accommodate an expansion to 12 million tonnes of LNG a year, subject to demand.

Icthys LNG
The Icthys LNG Project is currently in construction and is ranked among the most significant oil and gas projects in the world. The Icthys LNG Project is a Joint Venture between INPEX group companies (the Operator), major partner Total, CPC Corporation Taiwan and the Australian subsidiaries of Tokyo Gas, Osaka Gas, Kansai Electric Power, Chubu Electric Power and Toho Gas.
**Gorgon LNG**

The Gorgon project is operated by Chevron but is a Joint Venture of the Australian subsidiaries of Chevron, Exxon Mobil and Shell. Scope of supply on the project was 6 * 100Te Explosion Proof Double Girder Compressor House Bridge Cranes and 3 * 6Te Bridge Cranes. The project was handled by KBR on behalf of Chevron and our engineers are completing the commissioning in 2016.

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**Icthys LNG**

INPEX Australia discovered the giant Ichthys gas and condensate field in the Browse Basin in 2000. Located about 220 kilometres offshore Western Australia, Ichthys represents the largest discovery of hydrocarbon liquids in Australia in 40 years. Working with engineering houses JGC/KBR in Japan, J Barnsley Cranes have supplied a number of Jib Cranes and monorail hoists.

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**Wheatstone LNG**

The Wheatstone Project is one of Australia's largest resource developments.

Working with engineering house Bechtel, J.Barnsley Cranes as supplied four Compressor House Bridge Cranes along with a number of Jib Cranes and monorail hoists. The compressor cranes are rated at 64Te (55Te Main Hoist / 9Te Auxiliary) and were designed in accordance with AS1418.1, AS1418.3, BS466, CMAA 70, AS/NZS 60079 and IECEX. The area designated as Hazardous Area Zone 2.
Notes from Head Office

Worldwide Crane & Hoist Installation

The majority of our contracts with engineering houses and operators require J.Barnsley Engineers to be on site during the commissioning phase of the project. Over the last few years this has resulted in our team being present in the following countries, USA, Norway, Kazakhstan, Korea, Gabon, Algeria, Singapore, Malaysia, India, Australia, Qatar, Abu Dhabi, Oman, Kuwait and Saudi Arabia. Our engineers are all suitably qualified with a number of years in the industry and work with the local workforce installing and commissioning our Bridge Cranes, Jib Cranes and Monorail Hoists. Photographed below are site locations where J Barnsley Cranes Mechanical Handling equipment have been installed over the last few years.
J. Barnsley Cranes
Offshore Crane Division
For Over 25 Years
## Experience List - Australia

A selection of Australian projects from J.Barnsley Cranes

<table>
<thead>
<tr>
<th>PROJECT</th>
<th>COUNTRY</th>
<th>OPERATOR</th>
<th>ENG. HOUSE</th>
<th>EQUIPMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gorgon</td>
<td>Australia</td>
<td>Chevron</td>
<td>KBR JV</td>
<td>EX Cranes</td>
</tr>
<tr>
<td>Queensland Curtis</td>
<td>Australia</td>
<td>BG Group</td>
<td>Bechtel</td>
<td>5 * EX Cranes</td>
</tr>
<tr>
<td>Icythys</td>
<td>Australia</td>
<td>Inpex</td>
<td>JGC</td>
<td>EX Jib Cranes</td>
</tr>
<tr>
<td>Australia Pacific</td>
<td>Australia</td>
<td>Conoco Phillips JV</td>
<td>Bechtel</td>
<td>EX Cranes EX Jib Cranes</td>
</tr>
<tr>
<td>Wheatstone</td>
<td>Australia</td>
<td>Chevron</td>
<td>Bechtel</td>
<td>EX Cranes EX Jib cranes EX Monorail Hoists</td>
</tr>
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<td>Prelude FLNG</td>
<td>Australia</td>
<td>Shell</td>
<td>Technip</td>
<td>5 * EX Cranes</td>
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</tbody>
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