In Focus
Spark-Proof Manual Hoist & Cranes

Feature
In Salah Southern Fields Development Project, Algeria

Commissioning
SHELL Prelude
This coming year will continue to be a challenging time for all companies supplying to the energy sector. The general opinion is that the situation will not improve significantly in the near future but there are green shoots of recovery on the horizon. Predicting the timing of this recovery is clearly extremely difficult.

2017 has already seen significant new project awards from a large Singapore based engineering and construction company for a UK North Sea Well Head Platform, an engineering house in Houston, Texas for a mainland US project and an Offshore Norwegian Sector project.

Presently cranes are leaving the workshop bound for a very large project in Kazakhstan. The cranes will be installed on modules in Italy and South Korea but will ultimately end up in Kazakhstan.

We hope you enjoy reading this issue and your continued interest in J Barnsley Cranes Ltd.

Director - M.Banner
Jordanns will act as agent for JBC in South East Asia specifically Malaysia, Thailand and Vietnam.

Whilst we expect the majority of equipment to be Trolley Hoists and Miscellaneous Material Handling equipment we are hopeful that we can grow our Explosion Proof Crane Business.

We have already had success with Jordanns with a large Singapore based Engineering & Construction project and are hopeful of a new award in the next few weeks.

Working together with the highly experienced engineers at Jordanns we know we can provide technical and commercial support on projects from FEED through to EPC.

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In Salah Southern Fields

**Development Project, Algeria**

In Salah Southern Fields (ISSF) development project is part of the In Salah Gas (ISG) project. The ISG project includes the development of seven gas fields located in the Saharan desert in Algeria. Starting in November 2001, the ISG is the third largest gas development in the country.

The ISG project is operated by In Salah Gas, a joint venture between Sonatrach (35%), BP (33.15%) and Statoil (31.85%). Three gas fields, namely Krechba, Teg and Reg, were developed during the first phase of the ISG project.

The ISSF project forms the second phase of the ISG project which involves the development of the remaining four gas fields including Garet el Befmat, Hassi Moumene, In Salah and Gour Mohmoud. The project will help in maintaining production at plateau levels when production from the three existing fields declines.

JBC have worked with contractor Petrofac for over 20 years in the oil and gas sector and on this project supplied 2 safe area bridge cranes.
5Te Double Girder Bridge Crane for Workshop Maintenance

10Te Double Girder Bridge Crane for Chrome Pipe Warehouse

SPECIFICATION
- Area Designation: Safe
- Operating Temperature: +1 to +55°C
- Enclosure Protection: IP55
- Mobile Pendant Control

FEATURES
- Anti-Derailment Device
- Stainless Steel Festoon Systems
- Audible Overload Device
- True Vertical Lift
- Single Maintenance Walkway
Our extensive range of spark resistant manual cranes & hoists come in various configurations and capacities. The modular designs form a very efficient, compact & visually aesthetic unit.

<table>
<thead>
<tr>
<th>STANDARD TYPES</th>
<th>CAPACITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trolley (Push Travel)</td>
<td>0.5-10Te</td>
</tr>
<tr>
<td>Trolley (Hand Geared)</td>
<td>0.5-20Te</td>
</tr>
<tr>
<td>Hook Suspension</td>
<td>0.5-20Te</td>
</tr>
<tr>
<td>Monorail Trolley Hoist (Push Travel)</td>
<td>0.5-10Te</td>
</tr>
<tr>
<td>Monorail Trolley Hoist (Geared Travel)</td>
<td>0.5-20Te</td>
</tr>
<tr>
<td>Ultra Low Headroom Monorail Trolley Hoist (Geared Travel)</td>
<td>0.5-20Te</td>
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</tbody>
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NOTE: Higher capacities may be available on request

Our spark resistant cranes are designed and manufactured in accordance with the following standards:-
• BS: 466 1984/ BS 2573 1983, Part 1 and 1980 Part 2
• DIN 1508 H2 B3. FEM.
• Supply Of Machinery (Safety) Regulations, 1992 9S.I. 1992/3073)
• Category 11 2 G & 3G according to 94/9/EC (ATEX 100a & 95)
Test Rig: 1Te Single Girder Spark-proof Manual Cranes
Middle East Project

Spark Resistant Materials
- Brass Hand Chains
- Bronze Trolley Wheels
- Bronze load chain sprocket
- Bronze Idler chain Rollers
- Bronze Brake Ratchet Wheel
- Bronze Brake Hub (8 Start Threaded Nut)
- Bronze Coated Hook and Safety Catch

Anti-Corrosion Protection
- Brass Hand Chains
- Load Chain Galvanised
- Galvanised Block Side Plates and Stay Bars
- Galvanised Block Hand Chain wheels
- Galvanised Hand Chain Guide
- Galvanised Trolley Side Plates, Stay Bars
- Washers & Nuts
- Zinc Plated Fasteners

Prior to packing & protected for transportation, the cranes would be assembled in our workshops & fully inspected & tested, according to our standard testing procedure, which would include full dimensional and functional tests of all hoist operations.

For more information on our Manual Equipment please download our brochure from our website www.jbarnsleycranes.com

<table>
<thead>
<tr>
<th>STANDARD TYPES</th>
<th>UNDERSLUNG</th>
<th>TOP RUNNING</th>
<th>CAPACITY</th>
<th>SPANS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single Girder</td>
<td>*</td>
<td></td>
<td>0.5-10Te</td>
<td>15m</td>
</tr>
<tr>
<td>Double Girder</td>
<td>*</td>
<td></td>
<td>0.5-20Te</td>
<td>15m</td>
</tr>
<tr>
<td>Single Girder</td>
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</tr>
</tbody>
</table>

NOTE: Higher capacities and spans may be available on request
J.Barnsley Cranes engineers have recently demobilised from South Korea after spending several weeks carrying out final commissioning on the 5* Explosion Proof Bridge Cranes supplied on the vessel. Prelude has now arrived at its final location off the coast of Australia. Final Hook up is expected to take 9-12 months to complete.

Final Commissioning on Prelude FLNG

SHI Yard in South Korea
Another busy year for JBC

2016 proved to be another busy year for JBC with Explosion Proof Crane orders taking up a good percentage of the order input. Over the years JBC has built up a reputation for Quality and Reliability in the field of explosion proof bridge cranes. Coupled with this comes decades of experience in the energy sector from the sales and marketing office through the design office and production. We also have a dedicated team of offshore trained engineers ready to assist our clients during the installation and commissioning phase of the project.

We have also seen a steady increase in the number of Jib Cranes and Trolley hoists supplied on both onshore and offshore packages. Both the jib cranes and the trolley hoists can be supplied as manual, electric or pneumatic.

Early this year we appointed Jordan Equipment Supply as our agent for South East Asia. Jordanns are based in Singapore with a very good reputation in the industry. We hope to develop a successful relationship with them over the coming years.

We continue to supply cranes and hoists to many countries around the world. Our dedicated team of engineers continue to design cranes for the most challenging of environments around the world.

Whilst we endeavour to keep you updated through our regular newsletters please visit our website at www.jbarnsleycranes.com where you can find out all about our range of products and services.

A few projects where JBC have supplied equipment:-

- Exxon Hebron – Canada
- Chevron Wheatstone – Australia
- Exxon Baytown - USA
- RIL Jamnagar – India
- Shell Kashagan – Kazakhstan
- Statoil Gina Krog – Norway
- Shell Prelude – Australia
- Sonatrach / BP/Statoil – In Salah, Algeria
- Shell Toucan – Gabon
J.Barnsley Cranes Ltd are the proud sponsors of local speedway team ‘The Cradley Heathens’

CLUB HONOURS

NATIONAL LEAGUE CHAMPIONS: 2013 & 2014
NL KNOCKOUT CUP WINNERS: 2013 & 2014
NL PAIRS WINNERS: 2013
J Barnsley Cranes Ltd Quality Management System
Approved by Lloyds Register in accordance with ISO 9001
J. Barnsley Cranes LTD

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