J. BARNSLEY
Cranes Limited

# JBC Newsletter

ISSUE NO. 4 / OCTOBER 2015 www.jbarnsleycranes.com

## BP Skarv
25Te Semi-Goliath Ships Crane

## In Focus
Material Handling Equipment

## Crane Test Rig
100Te Dynamic Load Testing

JBC Newsletter
Issue No. 4 / October 2015

# Editorial

Welcome to the final issue of the JBC Newsletter for 2015. In this issue we will focus on our range of Miscellaneous Material Handling Equipment, highlight our 100Te test rig and take a detailed look at a Semi-Goliath Crane onboard the BP Skarv FPSO.

In 2015 we have seen an interesting mix of orders for Upstream, Mid-Stream and Downstream sectors. In addition to our Explosion Proof Cranes we have seen a significant increase in the in demand for our range of manual spark proof chain hoists together with miscellaneous material handling equipment.

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

See you in 2016.

*Director - J.Slimm*

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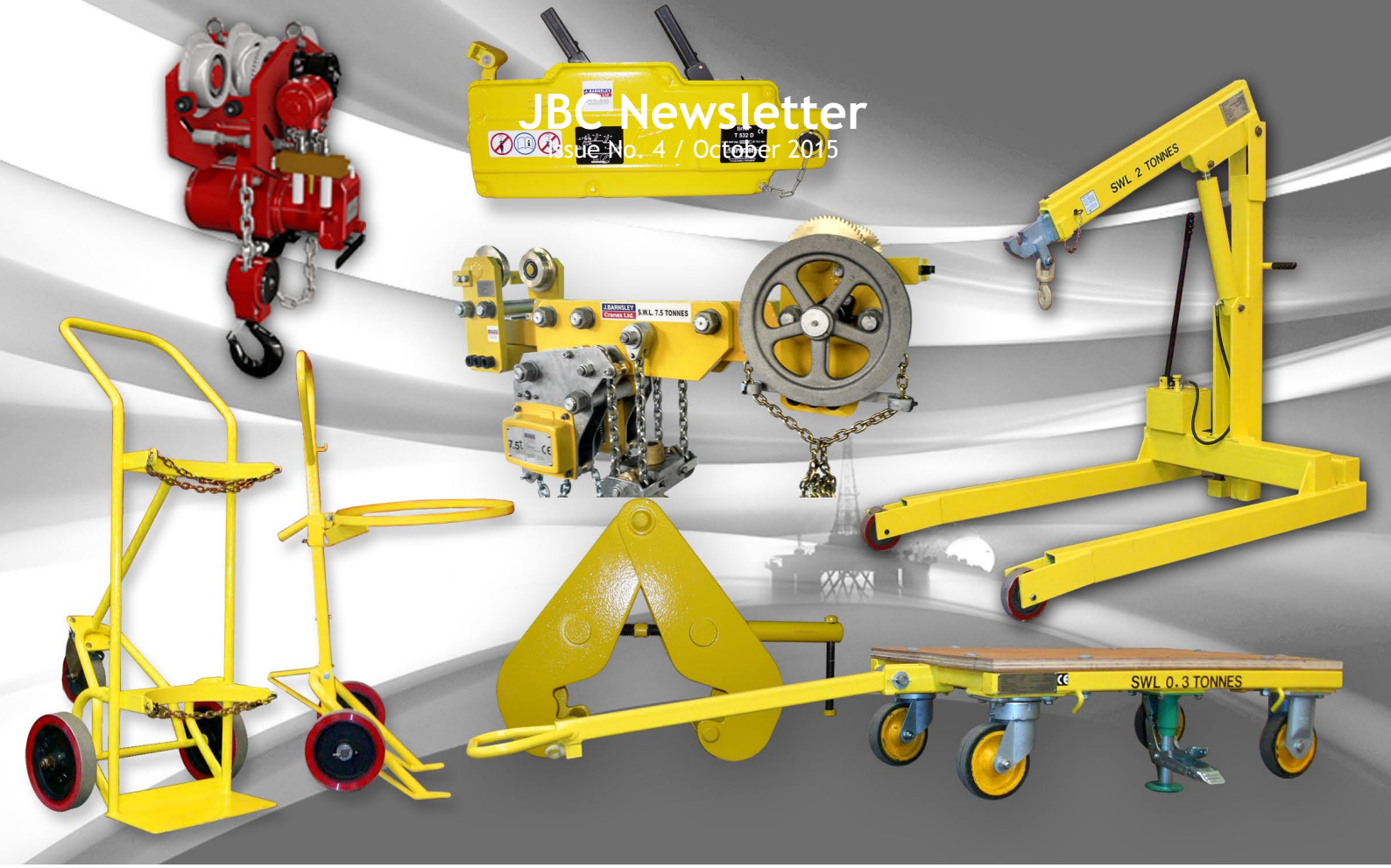


# In Focus

## Materials Handling Equipment

J.Barnsley extensive range of materials handling equipment is designed and manufactured for Safe Area, Zone 1 & Zone 2 hazardous areas worldwide. Our comprehensive range of explosion proof materials handling equipment is quality assured.

***Sample Product Range;***

- Deck Trolleys / Deck Trucks (Manual/ Pneumatic)
- Tirfors
- Floor Cranes
- Shackles
- Beam Clamps
- Davits
- Jib Cranes
- Lever Hoists
- Manual Hoists
- Pneumatic Hoists
- Chain Slings
- Heavy Duty Pallet Trucks
- Spreader Beams

Please contact our sales team at sales@jbarnsleycranes.com for further information.

Zone 1 & 2 Approved

Explosion Protected

# Crane Test Rig - 100Te Dynamic Load Testing

Initially designed to meet the requirement of full load testing of cranes for the Exxon Mobil Arktun-Dagi Offshore Platform in Sakhalin, Russia our test rig not only performs static but also dynamic load testing at full load. The test rig will accommodate different crane spans and as such allows full static and dynamic load testing for all of our top running bridge cranes up to SWL's of 100Te.

The client is given the assurance that the crane crane is fully functional prior to it leaving our works.

The test rig has been used on cranes bound for offshore platforms, Mid-Stream LNG trains and Downstream Refinery's and Petrochemical plants.

Clients including the likes of Aker Solutions, Kvaerner, Worley Parsons, Exxon Mobil, KBR, Bechtel and Chevron have been impressed with this facility and regularly comment on it's worth as being able to identify any issues that may arise before the crane arrives on site potentially saving the client and the project time and money further down the line.

**FEATURES**

- Suitable for various crane spans
- Cranes upto 100Te
- Static and Dynamic Load Testing
- Full Function Tests
- Testing of cross travel and long travel limit switches

**PROJECTS**

***Client:*** Exxon Mobil / Worley Parsons

- Arktun Dagi 100Te BOP Cranes
- Hebron Project 20Te Wellbay intervention deck cranes

***Client:*** Chevron / Bechtel

- Wheatstone 63/9 Te Compressor House Cranes

## 35T Double Girder EX BOP Crane for North Sea Platform

## 5Te Single Girder Safe Area Crane for KOC in Kuwait

## 10T Double Girder EX Crane for Kazakhstan

# Notes from Head Office

## 40 Years and Counting in the energy Sector

Over the last 40 years we have been serving the energy industry with a wide variety of Mechanical Handling Equipment for both safe and hazardous area's.

From one of the very first offshore platforms in the North Sea 'Forties Field' to one of the first refineries in the UK 'Grangemouth' up to the present day on projects such as the world's largest FLNG vessel 'Prelude' we continue to lead the way in explosion protected cranes and hoists.

Certification according to ATEX, IECEx, CSA, GOST, ENACT/ DPP allows our equipment to be installed in the majority of countries worldwide.

Below is a selection of large projects where J Barnsley Cranes are in service.

- Jamnagar Refinery India
- Bonny Island Nigeria
- Kashagan Field Development Kazakstan
- Sakhalin Island Russia
- Skida LNG Algeria
- Hammerfest LNG Norway
- Gorgon LNG Australia
- Wheatsone LNG Australia
- Baytown Refinery USA
- Harweel Cluster Phase 2 Oman

In our 2015 Newsletters we have highlighted a number of projects from the different industry sectors and focused on explosion proof cranes and hoists, manual spark-proof hoists and Miscellaneous material handling equipment.

As we move towards 2016 the company still remains one of the leading explosion proof bridge crane manufacturers in the world with an excellent reputation with engineering houses and operators alike.

*J. Barnsley Wall Poster*

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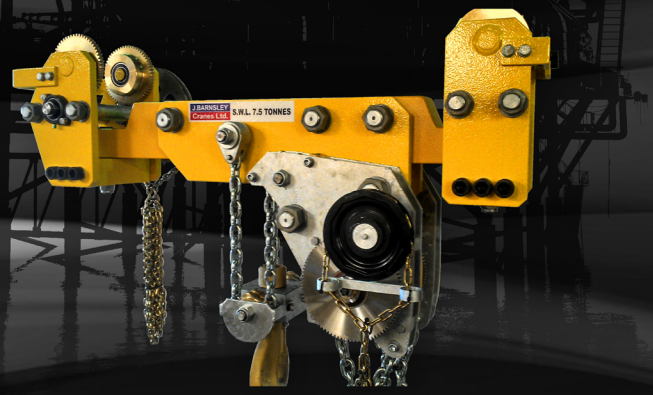
# J. Barnsley Cranes
# Offshore Trolley Hoists
## available up to 25Te capacities

## ELECTRIC

## MANUAL

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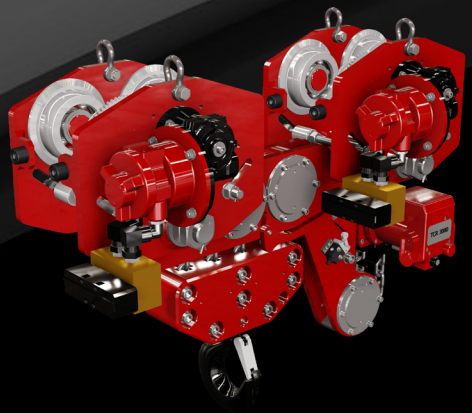

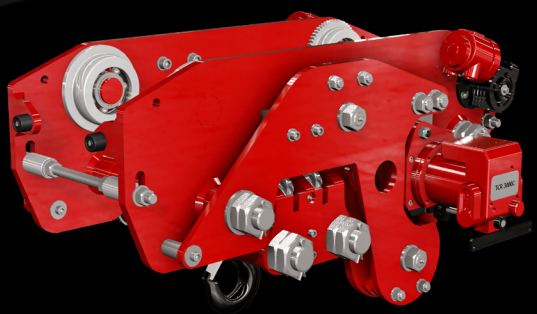

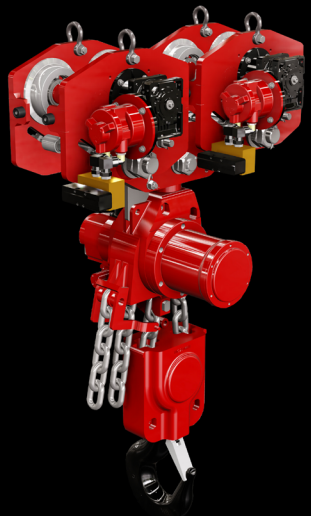

ATEX CE

J.Barnsley Cranes LTD,,UK's leading crane manufacturers, specialise in explosion proof cranes, and explosion proof crane equipment for the petrochemical and pharmaceutical industries.

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# BP Skarv - 25Te Semi-Goliath Ships Crane

J Barnsley Cranes received the contract to supply a 25Te Semi-Goliath crane to Aker Solutions for use on the BP Skarv Floating Production Storage and Offloading (FPSO) vessel which is the biggest ever built for deployment on the Norwegian Continental Shelf. The FPSO serves the Skarv and Idun Fields, located just below the Arctic circle in the Norwegian Sea.

The Skarv FPSO operates in the deepwater region of the Norwegian Sea and is designed to remain on station regardless of the weather. This ensures continuous production and reliable supply to customers.

Aker Solutions designed the topsides for the FPSO also performing the planning and execution of procurement on behalf of BP. Samsung Heavy Industries in Korea built the vessel Hull and carried out the installation of the topsides package.

The Semi-Goliath crane was installed in a Classified Zone 1 Hazardous Area and designed in accordance with Norsok R-CR-002.

FEATURES

- Non-sparking wheels and hook
- Non-sparking anti-derailment device & anti-tip roller on upper rail
- Wind/storm anchors under mob deck rack & non sparking pinion drives on cross travel & long travel drives
- Radio control
- Spot light on hoist c/w safety chain
- Mini jib arm for motor maintenance
- Space heaters for motors with seperate supply

AkerSolutions SKARV bp

**Crane Specifications:**

- **S.W.L: 25Te**
- **Span: 10.830m**
- **Lifting height: 17m**
- **Cranes designed to Norsok R-CR-002**
- **Area Classification: Zone 1 Gas Group IIB, Temperature T3**
- **Supply Voltage: 690v 3ph 50Hz**
- **Radio controlled with Back-Up Pendant**

J.Barnsley explosion proof materials handling equipment is designed and manufactured for Zone 1 & Zone 2 hazardous areas worldwide

J. BARNSLEY
Cranes Limited

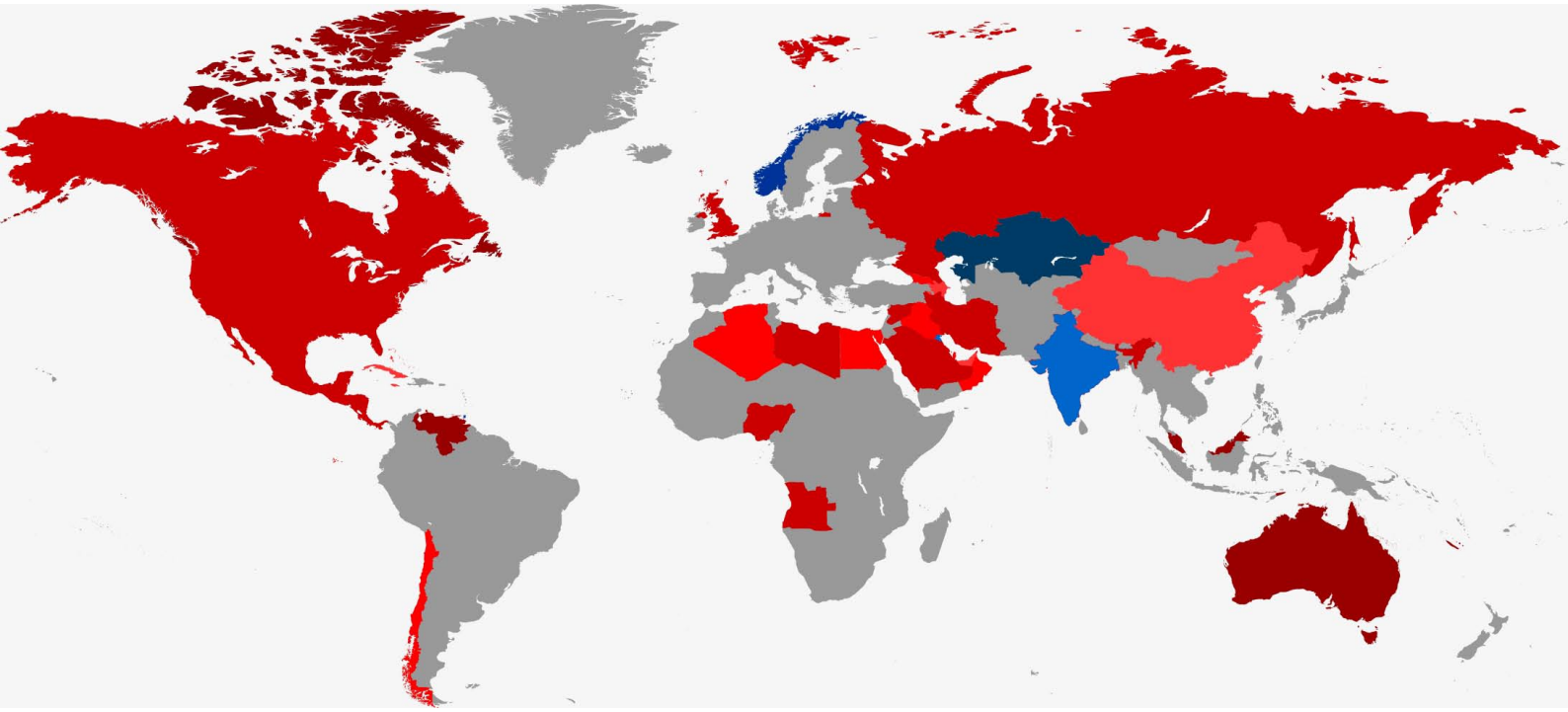
# J. Barnsley Cranes

Our comprehensive range of explosion proof materials handling equipment is quality assured

# Material Handling Equipment

- Crane Gantry Systems
- Hoist Runway Systems
- Pneumatic (Air) Hoists
- Pneumatic (Air) Winches
- Deck Trolleys / Deck Trucks
- Machinery Skates
- Lever Hoists
- Tirfor Pulling Machines
- Drum Handling Equipment
- Manual Forklift Trucks
- Lifting Beams
- Webbing Slings
- Chain Slings
- Jacks
- Floor Cranes (Hydraulic)
- Lifting Tables (Hydraulic)
- Shackles
- Beam Clamps

Ex



# Experience List

## A selection of international projects from J.Barnsley Cranes

| PROJECT | COUNTRY | OPERATOR | ENG. HOUSE | EQUIPMENT |
|---|---|---|---|---|
| FRG | Kazakhstan | Tengiz/ Chevron JV | GE Oil & Gas | 20 Various Ex Cranes |
| TROC (Trinidad Offshore Compression) | Trinidad | BP | Bechtel | 2 * 30/9 Te Ex Cranes |
| Skarv | Norway | BP | Aker Solutions | 25Te Ex Semi-Goliath Crane |
| PTA 4 & 5 | India | Reliance | Aker Solutions | Various Ex Cranes |
| Ekofisk | Norway | Conoco Phillips | Aker Solutions | Various Ex Cranes & Hoists |
| BS131 & 132 | Kuwait | KOC | S&K Engineering | Various Ex Cranes & Jib Cranes |
| Eldfisk | Norway | Conoco Phillips | Aker Solutions | 20Te Ex Wellbay Cranes |

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