

# Offshore Crane & Hoist Solutions

Design • Manufacture • Install



**J. BARNESLEY**  
**Cranes Limited**

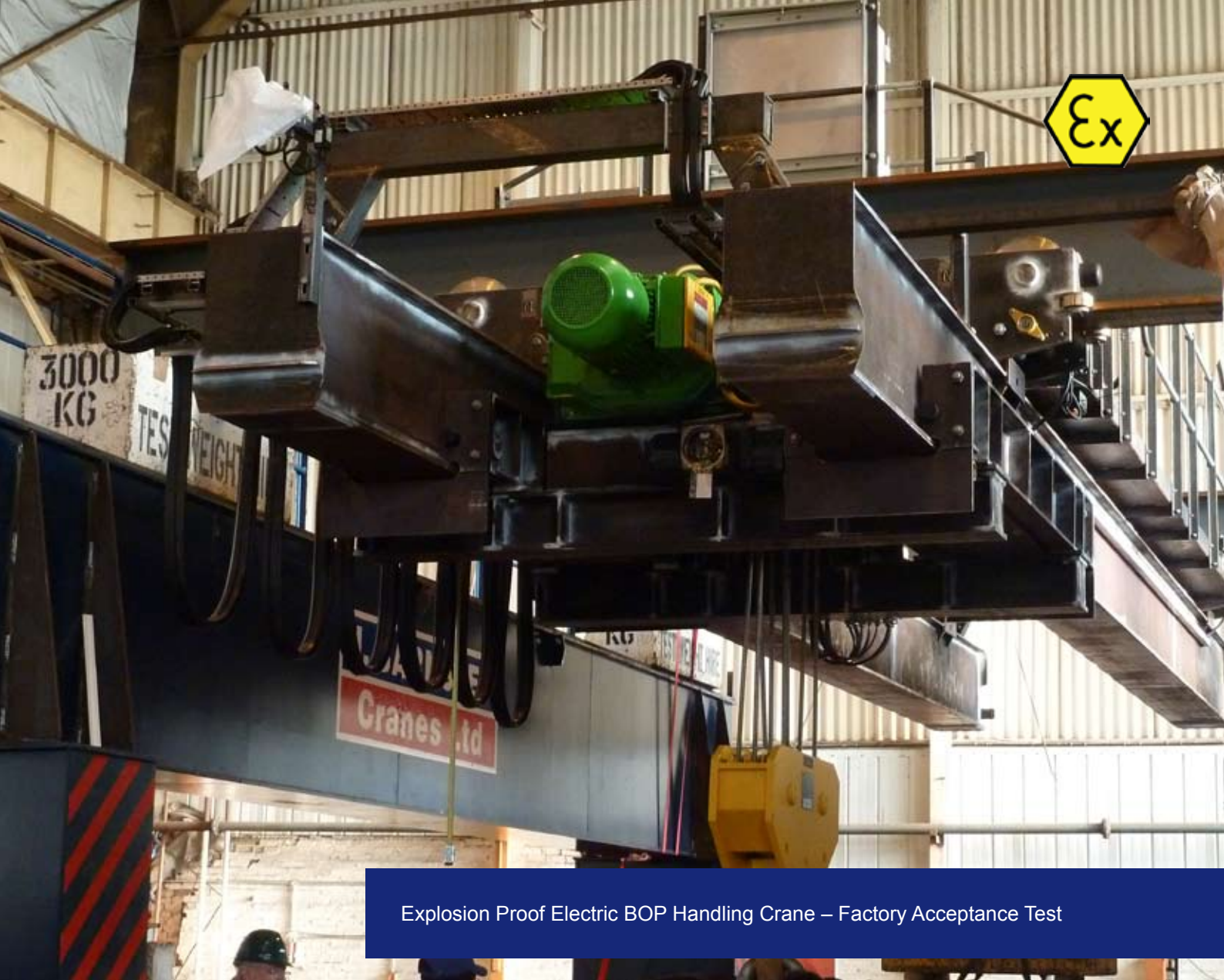


J Barnsley Cranes supply Explosion-Proof Overhead Bridge Cranes, Jib Cranes, Semi-Goliath Cranes and Monorail Hoists to the offshore oil and gas sector.

These cranes and hoists are used extensively in materials handling onboard ships and offshore installations both above and below deck.

Our cranes are used on the following offshore installations / vessels:

- Fixed Platforms
- Semi-Submersible Installations
- Jack-Up Rigs
- Tension Leg Platforms
- FPSO (Floating Production & Storage Offloading Vessels)
- Drill Ships



## Explosion Proof Electric BOP Handling Crane – Factory Acceptance Test

**J.Barnsley Cranes** work together with engineering houses, drilling contractors and operators from Pre-FEED stage, through FEED and finally through to EPC. Being involved at the early stages of the Pre-FEED enables detailed design to be carried out before the project goes to EPC.

Our design team will work together with the client to offer the complete project management package from

initial design proposals through to final design and manufacturing. We also offer installation services and maintenance programmes.

We pride ourselves in being able to meet critical project schedules and giving the level of back-up expected from one of the market leaders in explosion proof offshore cranes and hoists.



J.Barnsley **explosion-protected cranes** and **hoists** are in service throughout the world. Explosion-proof equipment is required in any environment where gases, fuels or vapours are present. The equipment is designed so that an electrical spark is not released into the environment.

Explosion-Protection in accordance with EN/ATEX/IECEX and suitable for use in **Zone 1** and **Zone 2** Hazardous Area's worldwide.

#### **Classifications**

- Ex de IIB T3 & Ex de IIC T4.



Engine Room Crane for FPSO

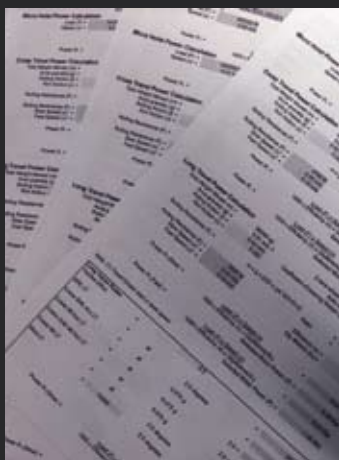
**Rack & Pinion Drive** overhead cranes and monorail hoists are specially designed to suit each application. The positive drive allows safe travelling of the crane or hoist even when the ship is pitching and/or rolling.

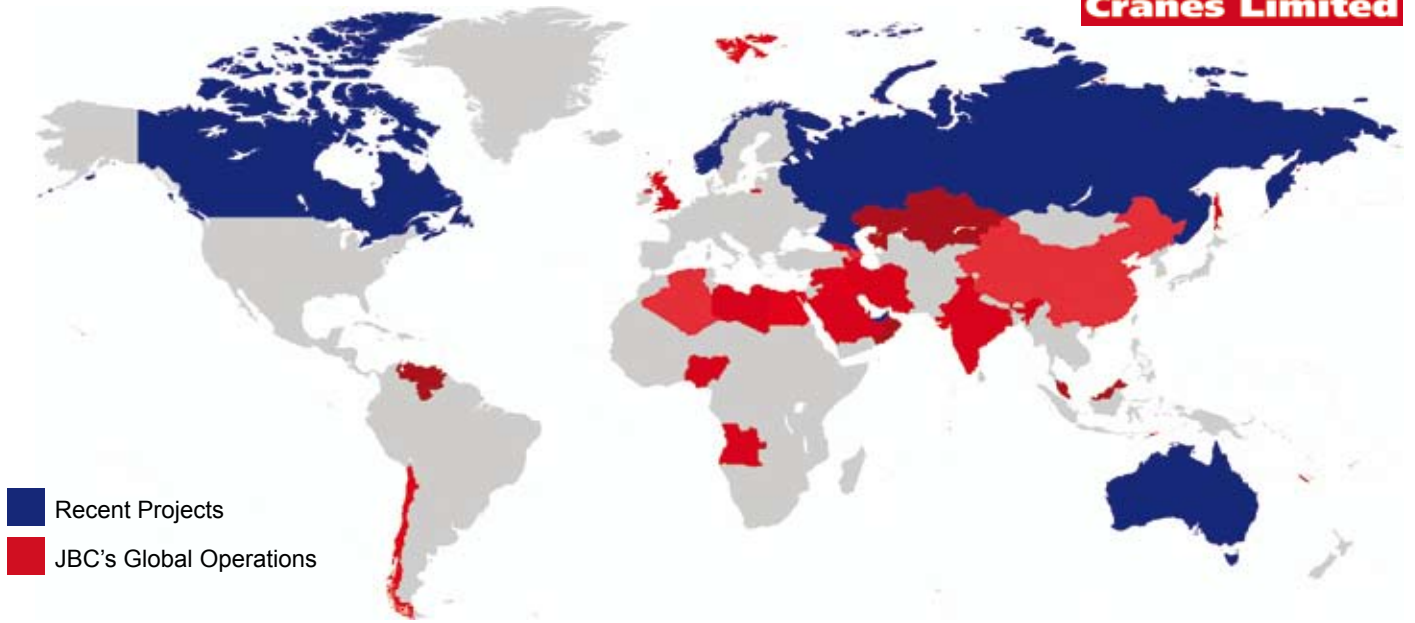
If the pitches are steep in heavy seas, the rack also acts as a 'locking device' in the parked position and the generously proportioned brakes hold the crane and hoist firmly in position.

# Our documentation department can be relied upon to meet most documentation levels

As a minimum we offer the following levels of documentation:

- Motor Data Sheets
- Noise Data Sheets
- Welding Procedure Specifications
- Engineering, Procurement & Manufacturing Schedule
- Quality Certificates
- Spare Parts Lists
- NDT Procedures
- Lubrication Charts
- Painting Procedures
- Quality Control Manufacturing Dossier
- Testing Procedure
- Fabrication & Quality Plan
- Installation, start up and Commissioning Manual
- Site Acceptance Test Procedure
- Inspection & Test Plan
- Country Approvals – ATEX, IECEX, GOST, ENACT/DPP, CSA, etc ...





■ Recent Projects  
■ JBC's Global Operations

Client	Description	Region	Equipment
Bechtel	3 * LNG Trains	Australia	12 * 55Te/ 9Te Ex LNG Train Overhaed Bridge Cranes
Worley Parsons/Exxon	Semi-Submersible Platform	Sakhalin Island, Russia	2 * 100Te Ex BOP Cranes
Aker Solutions/ Conoco Philips	Fixed Platform	North Sea, Norwegian Sector	10 Ex Overhead Bridge Cranes
Aker Kvaerner/ BP	Drill Ship	North Sea, Norwegian Sector	25Te Ex Semi-Goliath Cranes
Petrofac	Semi-Submersible Platform	UAE	Various Ex Cranes & Hoists
Worley Parsons/Exxon	GBS Fixed Platform	New Foundland, Canada	5 * Ex Overhead Bridge Cranes



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