

Glen Lyon lifting support during hook-up and commissioning

CLIENT

BP

ASSET

Glen Lyon Floating Production, Storage and Offloading (FPSO) unit

LOCATION

Korea, Norway and UK

Lifting support during hook-up and commissioning ensures quality from early on in a project

BENEFITS

Market leading expertise to ensure quality and safety

Cost effective overall solution from one contractor for consistency

Fast response to fit with tight timescales

Specialist expertise and experience for operations in a challenging environment



DELIVERY ASSURED

CHALLENGE

BP required support with all of their lifting engineering services throughout the hook-up and commissioning of the Glen Lyon FPSO. As a long term specialist contractor for BP we were asked to become actively engaged in the Glen Lyon project from an early stage.

SOLUTION

- We supported maintenance and inspection of lifting equipment and supplied a number of key personnel.
- Baseline surveys of lifting equipment were completed on board in Korea, with future mobilisations planned for Norway and West of Shetland.
- The surveys provide BP with a lifting register database which can be easily accessed by them and other key contractor personnel. We provided technical insight into personnel transfer by crane and completed a crane assurance study to allow BP to safely and efficiently transfer personnel. We also provided personnel transfer by FROG training in both the UK and South Korea.
- During the construction of the Glen Lyon in Korea we supplied personnel to operate the cranes to support commissioning activities.
- Lifting Operations and Lifting Equipment Regulations (LOLER) site competent persons were provided to draft lift plans and set up lift plan databases.
- We created a suite of Planned Maintenance Routine (PMR) documents for lifting equipment, including pedestal cranes. Our crane operators supporting Glen Lyon are also mechanics and undertook verification activities of PMRs whilst still in the fabrication yard for further optimisation.

SUMMARY

- Supply of crane maintainer / operator personnel
- Supply of LOLER site competent persons
- Onshore engineering support
- Dedicated onshore management support
- Supply of lifting equipment and accessories
- Lifting equipment inspection services
- Support for Programmable Logic Controller (PLC) technical issues on Original Equipment Manufacturer (OEM) cranes
- Supply of Integra personnel to coach BP and other contractor deck crews
- Training, including bespoke courses such as FROG training for personnel transfer
- Supply equipment, crane spares and other materials as required
- Supply of hydraulic equipment
- Provision for planning of all scopes of work
- Lifting plan documents
- Incorporation into key BP systems for safety management



The Glen Lyon FPSO departing the Hyundai Heavy Industries (HHI) shipyard in South Korea

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