

Fateh LQ2 crane replacement project

CLIENT Dubai Petroleum Establishment
ASSET LOCATION Fateh LQ2 platform
Dubai, UAE

Using a rental ECR20 crane for the replacement of UM150 crane with EC65 was the safest and most effective solution

BENEFITS

Quick installation and dismantling of rental crane

Swift response to fit in with tight timescales

Cost effective solution compared to crane barge hire

Complete crane replacement solution carried out by single contractor



DELIVERY ASSURED

CHALLENGE

Dubai Petroleum Establishment (DPE) were looking to replace their 28-year old UM150 crane on the Fateh LQ2 (FLQ2) platform. Space constraints on the platform to perform the disassembly of the existing crane and back loading onto ship were challenging.

Due to our extensive experience in carrying out crane replacements DPE requested Sparrows Group submitted a bid for the work and we were awarded the contract. The work was to be completed over a two-month period at the FLQ2 platform, located 60miles offshore Dubai.

SOLUTION

- Due to limited space available on board the FLQ2 platform, and owing to the weight of the individual components of the crane to be dismantled and backloaded on the ship, Sparrows suggested that a temporary ECR20 crane be used
- Rental cranes are quick to install and dismantle and more cost-effective than contracting a crane barge
- Sparrows deployed experienced crane replacement crew
- The components of the temporary ECR20 crane were lifted to deck by the existing UM150 crane and then assembled in the limited space available on the deck of FLQ2 platform
- The UM150 crane was decommissioned and stripped down to elementary components which were removed by the temporary ECR20 crane
- Pedestal modifications were carried out to allow the attachment of the new EC65 crane
- Components of the EC65 crane were lifted to deck by the ECR20 crane
- Installation, commissioning, function test and load tests of the EC65 crane carried out successfully
- Using the new EC65 crane the temporary ECR20 crane was dismantled and back loaded onto the ship for return to Sparrows base.

SUMMARY

- Engineering consultancy associated with existing crane upgrade options
- Generation of new crane specification
- Project management of new crane procurement and installation
- Design removal / installation concept / solution
- Procedures / plans for destruction / removal of existing crane
- Procedures and plans for installation and assembly of new crane
- Modification of existing pedestal to accommodate the installation of new pedestal adaptor.
- Hook-up, commissioning and testing of new crane
- Supply of rental ECR20 crane
- Offshore supervisory personnel and disciplines
- Documentation packages.

1.



2.



1. Installation of chassis using temporary ECR20 crane
2. Installation of boom base using temporary ECR20 crane

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