

Crane 5-yearly SPS and upgrades

**ASSET
LOCATION**

Drilling rig
Netherlands

Specialist expertise is essential when your five yearly SPS involves a variety of crane types

BENEFITS

Highly skilled multi-disciplined onshore and on-site technical support

Diverse expertise for all crane types

Planned out of service period to minimise downtime

Cost effective solutions to meet the industry's present climate

Assured high work standards with no compromise to Health Safety, Environment and Quality (HSEQ)



CHALLENGE

As a long standing specialist service provider to our customer with extensive prior involvement with their drilling rig, Sparrows Group were contracted to carry out the asset's five yearly Special Periodical Survey (SPS).

The semi-sub has three different crane types, all of which required extensive work scopes. This included intrusive inspections and upgrades to a Miko pipe handling bridge crane in addition to complex SPS and upgrade work on two pedestal cranes of a different design and generation – a mature Brattvaag KHO 3516/1050 crane and a modern Liebherr 2600/75D crane.

SOLUTION

- We project managed a turnkey package covering all elements for the customer's specific work scopes during their scheduled stay at the shipyard.
- Onshore engineering support was provided to manage planning, preparation, support, progress and final close out of the project with minimal disruption to the planned 200+ Simultaneous Operations (SIMOPS) tasks.
- We mobilised the implementation team and equipment at the scheduled shipyard docking, with all supporting documentation supplied.
- All three cranes underwent five year SPS inspections, crane condition evaluations, hydraulic component changeouts, as well as general maintenance, upgrade work and load testing.
- The Brattvaag and Liebherr cranes received additional a-frame sheaves and shaft changeouts, along with boom component changeouts.
- Our project team successfully completed the work scopes under challenging weather conditions at the Keppel Verolme BV shipyard in Rotterdam.

SUMMARY

- Multi-disciplined engineering and design support team
- Multi-disciplined on-site implementation team
- Hire equipment supply including specialised tooling solutions:
 - Hydraulic torque / tension equipment
 - Hydraulic pulling equipment
 - Power tools
 - Safety equipment
 - Spooling winches / rope stand
 - Hydraulic / electric test equipment
 - Load test equipment
- Lifting equipment supply, including project rigging loft
- Supply of replacement spares

1.



2.



3.



1.

Liebherr boom foot bearings and pins change out

2.

Miko bridge crane hydraulic motors, rack and pinion change out

3.

Brattvaag crane load test

Please visit www.sparrowsgroup.com/contact to find your nearest office

