

Job Report

BOS 4200 / BOS 7500

“Working closely with our client we identified that the increased crane capacity would enable our vessels to offer construction support activities offshore that would complement the existing accommodation services provided.”

Chrissie Brown
Coordinator - Business Development and Marketing



LIEBHERR

General Cargo Project



Situation

Prosafe, the world's leading owner and operator of semi submersible accommodation vessels supports the oil and gas industry when there is a need for additional accommodation, engineering construction and storage capacity offshore. The Safe Notos was constructed at COSCO shipyard in 2016 to an enhanced Gusto MSC Ocean 500 design incorporating DP3 (dynamic positioning), 10 point chain mooring and accommodation for 500 persons. This technologically advanced and efficient vessel has set a new standard in recreation and welfare facilities and is designed to operate in the harshest offshore environments.

Task

The deck mounted cranes are mainly used to load and offload supplies during operations. Under normal operating conditions, the cranes will carry out approximately 80 lifts a week loading containers from platform supply vessels. General supplies including food, waste materials, spare parts, project related equipment and aviation fuel are required to maintain safe and efficient operations. During the design phase of the new build project, Prosafe identified that additional lifting capacity would increase the flexibility and marketability of the vessel. Thereby the Safe Notos would be well placed to support offshore construction projects that often require larger crane capacities. Prosafe is fully aware of the risks associated with conducting safe and efficient lifting operations in harsh offshore environments, often gangway connected to a live oil and gas producing asset. The risks are mainly related to the high number of lifts in challenging weather conditions with limited deck space available.

Solution

The Safe Notos was designed with a heavy lift crane to meet a client's required technical specification. This represents a significant increase in lifting capacity compared to the other vessels in the Prosafe fleet. After careful consideration it has been clear that Liebherr offshore cranes are suited best for the particular tasks. A Liebherr board offshore crane, type BOS 7500 was installed on starboard side to carry out lifts up to 300 tonnes. On portside a BOS 4200 with a 50 tonne lifting capacity was mounted. Both cranes are fitted with a collision alert system (LiCAS) which is designed to reduce risks and improve safety during lifting operations.

Crane Specification	BOS 4200	BOS 7500
Year of construction	2016	2016
Platform location	Singapore (currently)	Singapore (currently)
Type	BOS 4200 - 50 LIT	BOS 7500 - 300 LIT
Max. SWL	50 t	300 t
Boom length	60.6 m	60.6 m

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