

CONVERSIONS

Conversion of Platform Supply Vessel

CLIENT CONFIDENTIAL

YEAR 2020

PLATFORM TYPE

Platform supply vessel

CLASS

DNV-GL

SOW

Engineering, Class approval, On-site supervision



2

PSVS TRANSFORMATION

3

MONTHS PROJECT DURATION

1

MEZZANINE DECK EXTENSION

1

SECTION MODULE ADDED

CLIENT CONTEXT

Repurposing a PSV for new operations

GLO Marine was asked by our client to support with the conversion of a PSV, involving the addition of SPS class notation.

The vessel has been repurposed from offshore subsea activities to general renewables support, including the capability to host temporary living quarters for up to 40 personnel.

The major challenge for the team was to manage the vessel's stability behaviour given the extra weight involved. This upgrade also involves changes to all the on-board systems, especially those relating to the safety of the personnel.

THE WORK TO BE DONE

Project phases

- Installation of new structural accommodation module below Bridge
- Compliance with SPS Class notation
- Extension of mezzanine deck
- Class & Statutory support
- Modification of the existing Sewage system
- Structural calculations for new MOB Boat
- Updates of Lifesaving appliances
- System diagrams updates
- Intact Stability calculation
- Damage stability calculation
- Inclining test procedure

THE CHALLENGE

Balancing compliance and operations

In converting offshore vessels to meet SPS Class notation, we face stringent challenges beyond typical offshore codes, especially in stability and lifesaving standards.

The vessel's design intricately affects vent placements and flooding arrangements, demanding a collaborative approach between our mechanical and stability engineers. This synergy is crucial to optimise costs against the operational impacts, like extended docking times and potential cargo capacity adjustments.

GLO Marine

Your vessel upgrade partner

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