

ARV 3 (conversion)

Ship type	Accommodation Ship
Shipowner	Equinox Offshore Accommodation Ltd.
Shipyard	Sembawang Shipyard Pte Ltd.



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Main Dimensions

Dwt	3,357 t
GT	22,359
Capacity	3,400 dwt
LOA	180 m
Beam	24.3 m
Draught	6.5 m

Project type	Ship status	Design scope	Delivery year
Conversion	Delivered	Basic	2012

Scope of Work for the Shipowner

Parts of the conversion basic design, delivered as a fast-track project, including:

- GAP analysis (comparing conversion arrangement with rules and key naval architecture features, such as lightweight modifications)
- DP capability plots
- Motion and speed prediction analyses
- Evacuation analyses
- Docking analyses for converted vessels
- FEA and construction design for gangway and crane pedestals
- FEA and construction design for helideck support structure
- FEA and construction design for 3 new azipod foundations and 3 new retractable thrusters

Project Features

- Short span approval process and flexible production start in a challenging project
- Comprehensive coordination of design areas at the yard
- DM Brazil assisted in interpreting the NORMAM regulations for the GAP analyses
- The conversion work was completed in 2011

Additional Information

IMO number	9147306
Special features	Conversion of a RoPax vessel 'Norman Bridge' into an accommodation repair vessel 'ARV 3'