

TECHNICAL SPECIFICATIONS

Windfarm Installation Vessel (WIV)

PRINCIPAL DIMENSIONS

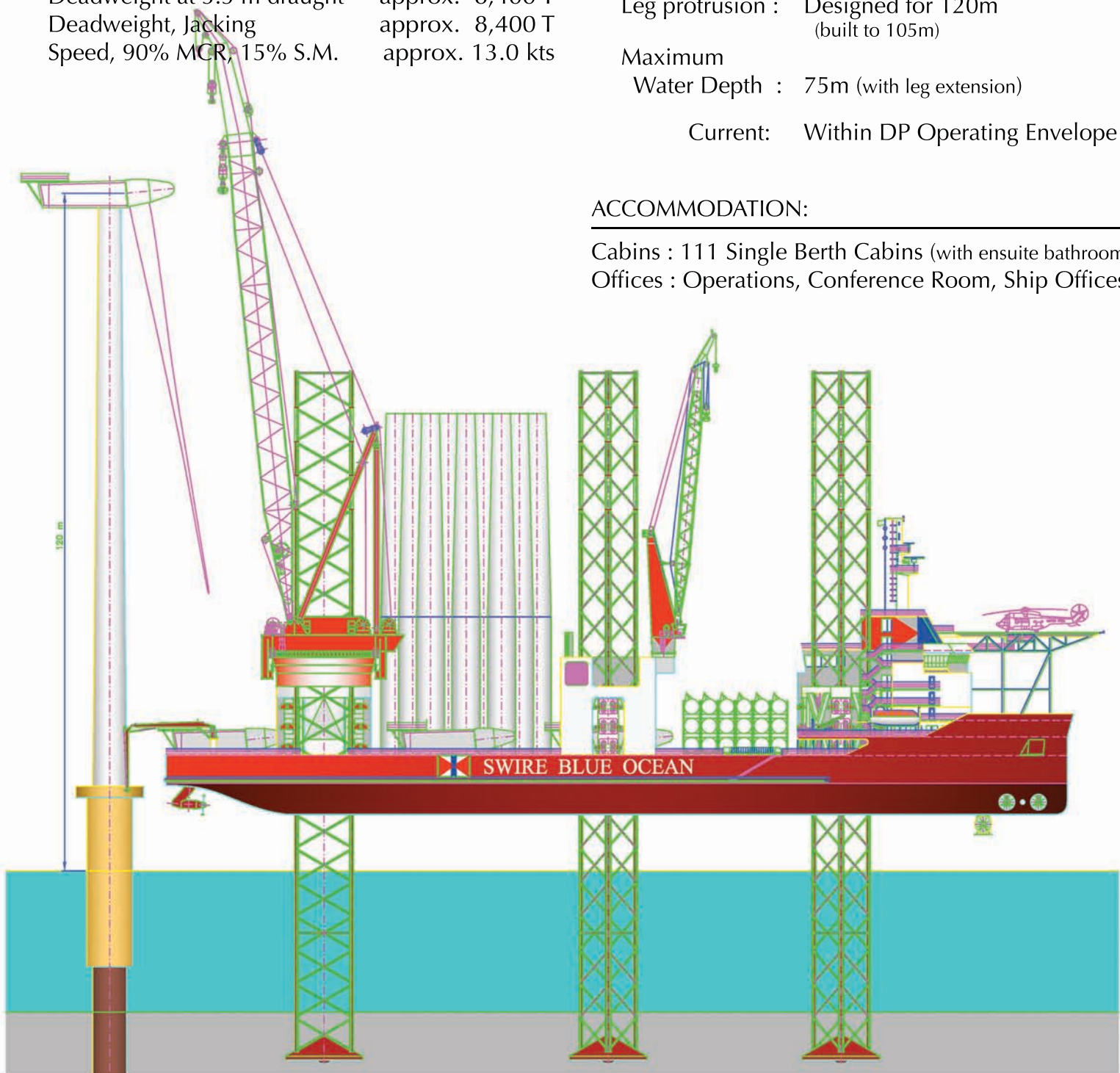
Length over all	160.90 m
Length between perpendiculars	155.60 m
Breadth, moulded	49.00 m
Depth to main deck	10.40 m
Draught, design	5.50 m
Draught, max.	6.00 m
Deadweight at 5.5 m draught	approx. 8,400 T
Deadweight, Jacking	approx. 8,400 T
Speed, 90% MCR, 15% S.M.	approx. 13.0 kts

OPERATING CONDITIONS FOR JACKING:

Service Restrictions when Jacking:	
Wind Speed	: 20 m/s
Significant Wave Height	: 2.5m (subject to actual conditions onsite)
Maximum Leg protrusion	: Designed for 120m (built to 105m)
Maximum Water Depth	: 75m (with leg extension)
Current:	Within DP Operating Envelope

ACCOMMODATION:

Cabins : 111 Single Berth Cabins (with ensuite bathrooms)
Offices : Operations, Conference Room, Ship Offices



TECHNICAL SPECIFICATIONS

Windfarm Installation Vessel (WIV)

CLASS : Germanischer Lloyd (GL)

100 A5 Offshore Support Vessel Self-Elevating Unit

WTIS EP Helil SPS (except SRtP)

FLAG: Cyprus

TANK CAPACITIES

Marine gas oil	: 4,000 m ³
Lube oil	: 100 m ³
Fresh water - potable	: 1,600 m ³
Water ballast	: 9,500 m ³ (approx.)
Sewage (black + grey)	: 1,200 m ³

LEGS & JACKING SYSTEM:

Number of legs	: 6 Sets of 3-Chord truss type
Jacking System	: High Speed Rack & Pinion
Speed	: Raising / Lowering Legs 2.4m/min : Raising / Lowering Hull 1.2m/min

MAIN CRANE :

Main Hoist SWL in tandem	: 1,200T @ 31m (2 x 600 tonne hooks)
Auxilliary Hoist	: 500T @ 50m
Whip Hoist	: 50T @ 110m (man-riding)
Max Operating Wind Speed	: 20m/s
7 x Tuggers	: 25T SWL each

AUXILLIARY CRANE:

Main hoist SWL	: 40T @ 8 to 40m
Aux hoist SWL	: 15T @ 8 to 40 (man-riding)

THRUSTERS:

Azimuth Stern Thruster	: 4 x 3.4 mw
Bow Retractable Azimuth Thruster	: 2 x 2.2mw
Bow Tunnel Thruster	: 2 x 2.2mw

DYNAMIC POSITIONING SYSTEM:

Type : DP2

CARGO AREA:

Main Deck Area	: 4,300 m ²
Deck Loading	: 15T/m ²

HELICOPTER LANDING DECK:

D-value (max) : 22m / Weight (max) : 12.8T

