

HUADIANZHONGJI 01

SEMI-SUBMERSIBLE ACCOMMODATION/CRANE VESSEL



The SSCV 'HUADIANZHONGJI 01' is a large, state-of-the-art, multi-functional, dynamically positioned construction semi-submersible crane vessel and accommodation unit. It has a sizeable hotel capacity up to the highest standards.

The vessels have a vast open deck space, which are specially reinforced and will allow positioning of heavy constructions. All ecological gases with "0" ODP (Ozone Depilation Factor).



HUA DIAN ZHONG JI 01

SEMI SUBMERSIBLE ACCOMMODATION/CRANE VESSEL

GENERAL

Class : ABS/CCS
 Notation : +A1 Column-Stabilized Unit, Crane Service.
 Construction & Maintenance Service, UWILD
 Accommodation Service AMS ACCU DPS3 Circle M

PRINCIPAL DIMENSIONS

Overall
 LOA : 137.75 m
 Beam : 81.00m
 Height(BL to main deck) : 39.00 m

Main Pontoon
 Length : 137.75m
 Width : 19.50m
 Depth : 12.00m
 Corner Radius Deck and Botton(MLD) : 2.25M

Outrigger Pontoon
 Length : 113.00m
 Width : 13.5m
 Depth : 12.00m
 Corner Radius Deck and Botton(MLD) : 2.25m

Column-Main Pontoon (2 off)
 Height : 18.00 m
 Width : 19.50m
 Length (EXTREME) : 20.25m
 Corner Radius : 2.25m

Column-Outrigger Pontoon (2 off)
 Height : 18.00m
 Width : 13.50m
 Length (EXTREME) : 16.50m
 Corner Radius : 2.25m

Deck Box
 Height : 81.00m
 Width : 81.00m
 Depth : 9.00m

Light Ship Weight
 Light Ship Weight (Maximum) : 33,600MT

Displacement
 Displacement (approx at 20m draft) : 55,700MT

Transit Speed
 Transit Speed (at draft of 11.28m) : 8 knots

DESIGN ENVIRONMENT

Survival condition : Hs=12m
 Hotel Operation condition : Hs=6.0m
 Transit condition : Hs=6.0m
 Sea water temperature : 0°C to 32°C
 Outside air temperature : -10°C to 45°C
 Structure design temperature : -10°C
 Fatigue life : 20 years

OPERATION AREA

West African,,Gulf of Mexico,UK North Sea

VARIABLE DECK LOADS

Hotel Variable : 4,444MT @20m Operational Draft
 Variable : 7,070MT @26.4m Operational Draft
 Survival Variable : 4,429MT @17m Operational Draft
 Transit Variable : 3,570MT @11.5m Operational Draft

BALLAST SYSTEM

Ballast pump : 4 x 350m³/hr & 4 x 200 m³/hr
 Air compressor : 4 x 8390 Nm³/hr, Max Pressure 2,6 bar

FIRE FIGHTING & SAFETY

Fire Fighting : 2 x Centrifugal type, Pressure min 14 bar
 Life Boats : 12 x 104 persons fire proof life boats complete with davits
 Rescue Boat : 1x motorized Rescue Boat (9 man) with launching davit
 Life Rafts : 25 x 25 persons life rafts

HELIDECK

1x Helideck suitable for Westland EH101 helicopter

ACCOMMODATION

Total beds on board the vessel is then crew/owner/class
 100 + 32 + 2 = 134, client 484. Total 618 beds.
 Mess facilities installed and fitted for 329 persons.

MAIN AND AUXILIARY MACHINERY

Main Generator Set : 8 x 3860 kW, 6600 V, 60Hz, 3ph
 Emergency Generator : 1x 1825 kW, 440 V, 60Hz, 3ph
 Thruster : 6 x 3,800 kW fully Azimuth Thruster
 Fuel Oil Transfer Pump : 4 x Screw pump, 75 m³/hr, 8.0 bar
 Fuel Oil Purifiers : 4 x Capacity 5,000 l/h
 Start Air Compressor : 4 x 50 m³/ hr@ 30 bar
 Service Compressor : 2 x screw type 1500 m³/hr @ 8 bar
 Sewage Treatment Unit : 2 x 310 persons
 Fork Lift : 1 x Linde E30S, 3 tons

MAIN CRANE

Main Deck Crane : 2 x 1,800 tons @ 27m, slewing Huisman
 Tandem Lifting : Lifting 3,600T
 Deepwater Operation : The crane is prepared for future upgrade with a deep water auxiliary hoist system, 600T @ 29m

DECK MACHINERY

Deck Crane : 2 x Cranes 40 tons @ 20m
 Gangway : 1 x Telescopic hydraulic gangway with base of approx. 36.5 (6m) length

ANCHOR SYSTEM

Two (2) 25T anchors x Flipper Delta 25T anchor, One (1) Flipper Delta 18T spare anchor.

TOWING, MOORING & LASHING

8 set x double bollards and Panama Chocks
 4 x SMIT Towing Brackets with SWL 2 x 250 MT each associated with Panama Chocks
 8 sets x 10 tons air winches
 2 x double drum Barge Mooring Constant tension winches with fairleads