

# HAISHISHENLOU

## Semi-Submersible Accommodation Vessel



The SSCV 'HAISHISHENLOU' is a large semi-submersible accommodation vessel. It is built to meet the highest accommodation requirements for offshore operations, with a vast open deck space for storage and maintenance purposes and 12 points mooring system.



# HAISHISHENLOU

## SEMI SUBMERSIBLE ACCOMMODATION VESSEL

### GENERAL

Class : CCS

### PRINCIPAL DIMENSIONS

Main Deck  
 Length : 80m  
 Width : 70m  
 Height (Keel to main deck) : 38m  
 Pontoons  
 Length : 118m  
 Width : 15m

### DESIGN ENVIRONMENT

Survival condition : Hs=12.0m  
 Hotel Operation condition : Hs=6.0m  
 Transit condition : Hs=3.0m  
 Sea water temperature : 0°C to 32°C  
 Outside air temperature : -10°C to 40°C  
 Structure design temperature : -10°C  
 Fatigue life : 20 years

### DRAUGHTS

Transit Draught : 7.8m  
 Hotel/Crane Draught : 23m  
 Survival Draught : 20m

### CAPACITIES

Fresh Water : Approx 2100 m<sup>3</sup>  
 MDO : Approx 1800 m<sup>3</sup>  
 Endurance : 58.3 days with 90% bunkers, 3x engines in 89% load/ Deck Load  
 Net Deck Area : 2000m<sup>2</sup>  
 Port Hull Deck Load : 3 ton/m<sup>2</sup>  
 STBD Hull Deck Load : 3 ton/m<sup>2</sup>

### VARIABLE LOADS

Hotel Variable : 5000 mT @23m Operational Draft  
 Crane Variable : 2970 mT @23m Crane Draft  
 Survival Variable : 5000 mT @20m Survival Draft  
 Transit Variable : 5000 mT @7.8m Transit Draft

### HELIDECK

1 x Helideck suitable for Westland EH101 or equivalent helicopter

### ACCOMMODATION

500 PoB : 1-Man Cabin : 2  
 : 2-Man Cabin : 15  
 : 3-Man Cabin : 68  
 : 4-Man Cabin : 66  
 Mess room : 312 persons  
 Food in Provision Rooms : 8 days for 500 man (or layout refrigerated on main deck up to 45 days)

### SAFETY EQUIPMENT

Life Boats : 10 x 100 persons with davits  
 Rescue boat : 1 x 6 Motor Rescue Boat  
 Life Rafts : 25 x 25 persons

### MAIN AND AUXILIARY MACHINERY

Main Generator : 4 x 1825 kW  
 Emergency Generator : 1 x 1300 kW  
 F. W generator : 3 x 70 tones/day  
 Sewage Plant : 2 x 270 man capacity vacuum type

### MOORING & TOWING

12 Point Mooring System : 12x Single Drum winches  
 Pre-lay mooring mode: Water depth 200m up to; 1000m 12 mooring lines  
 Anchor mooring mode: Water depth from 35m to; 200m 12 mooring lines  
 12 sets mooring lines : Each steel wire @76x2500, breaking load (MBL) 5000KN  
 Anchor : 12 x 15T anchors and 2 x 15T Spare Anchors  
 Towing : 4 x SMIT Tow Brackets  
 Tugger Winches : 8 sets  
 Bollard : 8 sets