



200m Saturation Diving System: OWA 200SAT-2

MAIN PARTICULARS

Owner : Ocean Works Asia Inc.
 Last Update : Feb. 2008
 Builder : Ocean Works Asia Inc.
 Class Society : Nippon Kaiji Kyokai (Class NK)
 Design/Testing Standard : IMCA D 018 / 024

SYSTEM COMPONENTS

Diving Bell (SDC)
 Bell Launch and Recovery System (LARS) with main skid
 6 man Living Chamber 1 (LC-1 / DDC)
 4 man Living Chamber 2 (LC-2 / HRC)
 4 man Living Chamber 3 (LC-3 / Come Out DDC)
 HRC Launching System
 Control Van (CV)
 Life Support Van (LSV)
 Reclaim and Hot water Cabin
 Main Umbilical Basket and Emergency Umbilical
 Power Station & Store Cabin
 Winch
 Hydraulic Power pack
 Maintenance Cabin
 HTRC Control Cabin for Flyaway

SYSTEM PARTICULARS

DIVING BELL

Capacity : 3 man
 Diver Lock-Out : 2 divers
 Hat Mounted Camera : 2
 Volume : 4.5 m³
 Mating to DTC : Side
 Pressure Rated : 20 kg/cm²
 Diving Helmets : SL17B Reclaim Hat

LARS

Outreach : 2.5 m
 SWL for A-Frame : 10.6 ton
 SWL for winch : 9.0 ton
 SWL for tugger : 1.75 ton

LC-1 / DDC

Capacity : 6 man
 Volume : 23 m³
 Pressure Rated : 20 kg/cm²

LC-2 / HRC

Capacity : 4 man
 Volume : 14.2 m³
 Pressure Rated : 20 kg/cm²

LC-3 / Come Out DDC

Capacity : 4 man
 Volume : 15.9 m³
 Pressure Rated : 20 kg/cm²

HRC SYSTEM

Type : Float Away Chamber
 Launch System : Over Side / Crane Lift
 Capacity : 12 man
 Control Van : Dedicated Unit w/ Umbilical



HRC LAUNCHING SYSTEM

		*TWO OPTION
Type	: Outreach Type	Rotary Type
Outreach	: 1.7m	2.0m
SWL	: 13.8 ton	13.8ton
Limit Height of Deck Level	: 8.5 m	8.5m
Running Distance	: 6.88m	4m
Running Speed	: 7m / min	4m / min
Winch Speed	: 6m / min	3m / min

CONTROL VAN

Diver Gas Control system c/w Gas Analyzers
 Diver/Bell Control
 Diver Video Recording Unit
 Chamber Control
 Chamber Monitoring System

RECLAIM SYSTEM

Type : Gasmizer for 2 divers
 Pumps : Haskel Gas Booster Pumps

LIFE SUPPORT MACHINERY

Pot Hot Water Unit : Air Driven
 ECU Units : 4 x Control Master Unit
 Scrubbers : Build in LC

DIVER HOT WATER UNIT

Driven : Electric Heater
 Supply : 2 divers
 Heating SDC

SERVICES REQUIRED

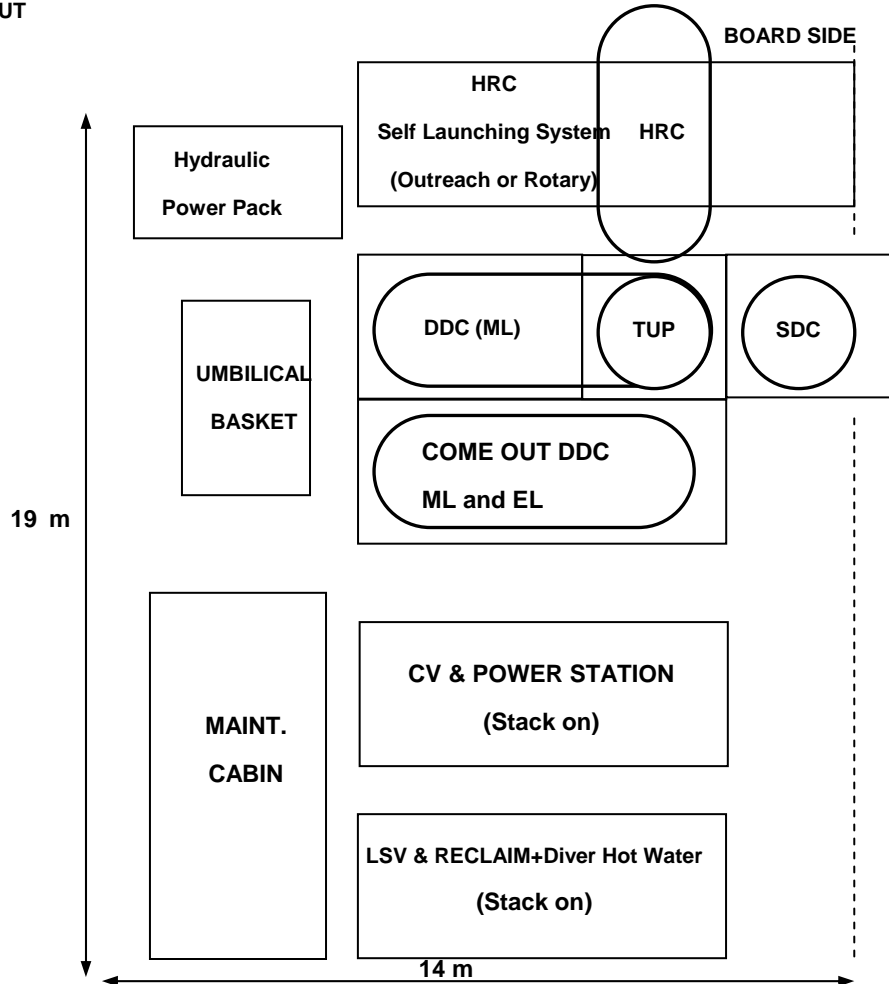
Electric : 440V-AC 60Hz/300kva
 Emergency Generator : 440V-AC 60Hz/300kva
 Compressed Air : 7kg/cm² / 15 m³
 Sea Water(Cooling) : 200L/min
 Fresh Water : 100L/man/day

✓ Specifications subject to change without notice



200m Saturation Diving System: OWA 200SAT-2

GENERAL LAYOUT



DESCRIPTION	DIMENSIONS (L x W x H)	WEIGHT(TON)
Diving Bell (SDC)	: 2350 x 2120 x 2500	8.0
Bell Launch and Recovery System (LARS)	: 4000 x 2850 x 5430(Max High)	13.0
6 man Living Chamber 1 (LC-1/DDC)	: 7000 x 2850 x 3000	27.0
4 man Living Chamber 2 (LC-2/HTRC)	: 5400 x 2420 x 2480	12.0
HRC Launching System	: 9900 x 3000 x 5560(Max High)	30.0
Come Out DDC	: 5220 x 2800 x 3120	14.0
Control Van (CV)	: 6000 x 2400 x 2600	7.0
Life Support Van (LSV)	: 6000 x 2400 x 2600	8.0
HTRC Control Cabin	: 3000 x 2400 x 2600	5.0
Reclaim + Diver Hot Water Cabin	: 6000 x 2400 x 2600	8.0
Main Umbilical Basket	: 3600 x 2300 x 1500	3.5
Power Station + Store Cabin	: 6000 x 2400 x 2600	7.0
Maintenance Cabin	: 6000 x 2400 x 2600	7.0
Winch with winch skid	: 2000 x 2500 x 1440	9.0
Base Skid (2 each)	: 9500 x 3000 x 300	2.0