



200m Saturation Diving System: OWA 200SAT-1

MAIN PARTICULARS

Owner : Ocean Works Asia Inc.
 Last Update : Jun. 2010
 Builder : Ocean Works Asia Inc.
 Class Society : Nippon Kaiji Kyokai (Class NK)
 Design/Testing Standard : IMCA D 018 / 024
 LLOYD'S

SYSTEM COMPONENTS

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



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 : 10.6 ton

LC-1/DDC

Capacity : 4 man
 Volume : 20.3 m³
 Pressure Rated : 20 kg/cm²

LC-2/HRC

Capacity : 3 man
 Volume : 13.5 m³
 Pressure Rated : 20 kg/cm²

LC-3 / Come Out DDC-1 & 2

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

HRC SYSTEM

Type : Float Away Chamber
 Launch System : Over Side / Crane Lift SLS
 Capacity : 9 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

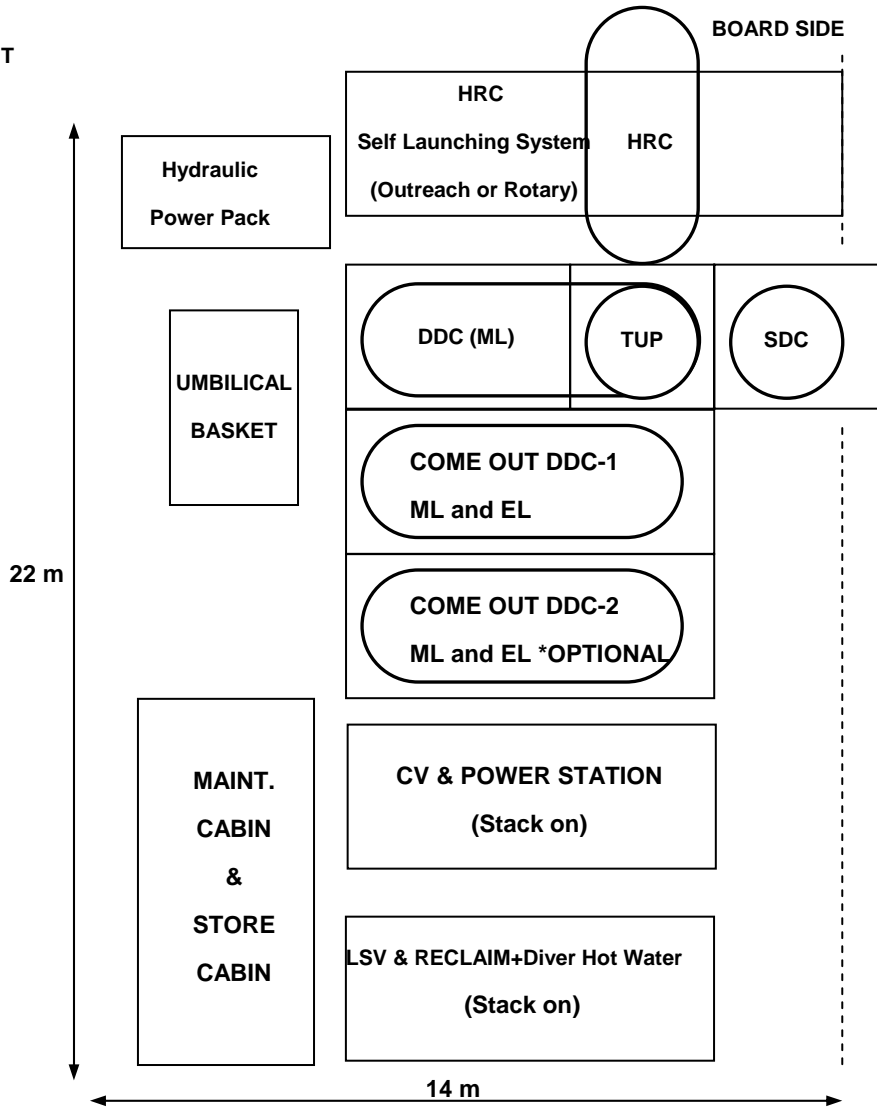
Electric : 440V-AC 60Hz/350A
 Emergency Generator : 440V-AC 60Hz/350A
 Compressed Air : 7kg/cm² /350cfm
 Sea Water(Cooling) : 200L/min
 Fresh Water : 100L/man/day

✓ Specifications subject to change without notice



200m Saturation Diving System: OWA 200SAT-1

GENERAL LAYOUT



DESCRIPTION

DIMENSIONS (L x W x H)

WEIGHT(TON)

Diving Bell (SDC)	:	2350 x 2120 x 2500	9.0
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/HRC)	:	5400 x 2420 x 2480	12.0
Come Out DDC-1	:	5220 x 2800 x 3120	14.0
Come Out DDC-2	:	5220 x 2800 x 3120	14.0 *OPTIONAL
HRC Launching System	:	9900 x 3000 x 5560(Max High)	30.0
Control Van (CV)	:	6000 x 2400 x 2600	7.0
Life Support Van (LSV)	:	6000 x 2400 x 2600	8.0
HRC 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
Store Cabin	:	6000 x 2400 x 2600	7.0