



OCEAN WORKS ASIA INC.
- UNDERWATER CONTRACTOR -

COMPANY INFORMATION

Date:	Jan. 2010
100SAT-2	OWA/INFO/2010/006

100m Saturation Diving System: OWA 100SAT - 2

MAIN PARTICULARS

Owner : Ocean Works Asia Inc.
 Last Update : Apr 2006
 Builder : Ocean Works Asia Inc.
 Class Society : Nippon Kaiji Kyokai (Class NK)
 Design/Testing Standard : IMCA D 018 / 024
 Class NK

SYSTEM COMPONENTS

Diving Bell (SDC)

Bell Launch and Recovery System (LARS) with main skid
 Side Lock Diver Transfer Chamber (DTC)
 4 man Living Chamber 1 (LC-1/DDC)
 4 man Living Chamber 2 (LC-2/HTRC)
 Control Van (CV)
 Life Support Van (LSV)
 HTRC Control Cabin (Flyaway)
 Reclaim & Hot Water Cabin
 Main Umbilical Basket and Emergency Umbilical Basket
 Power Station
 Store Cabin
 Work Shop Cabin
 Hot Water Unit
 Main Hydraulic Poer Pack
 Emer
 Emer Umbilical for surface
 Emer Back-up Generator



SYSTEM PARTICULARS

DIVING BELL

Capacity : 3 man
 Diver Lock-Out : 2 man
 Hat Mounted Camera : 2
 Volume : 4.5m³
 Mating to DTC : Side
 Pressure Rated : 10 kg/cm²
 Diving Helmets : 17B Reclaim Hat

LARS

Outreach : 3.0m
 SWL : 8.5 ton

DTC

Volume : 2.58m³
 Pressure Rated : 10kg/cm²

LC-1/DDC

Capacity : 4 men
 Volume : 8.5m³
 Pressure Rated : 10 kg/cm²

LC-2/HTRC

Capacity : 4 men
 Volume : 12.0m³
 Pressure Rated : 10kg/cm²

HTRC SYSTEM

Type : Float Away Chamber
 Launch System : Over Side / Crane Lift
 Capacity : 9 men
 Control Van : Dedicated Unit w/ Umbilical

CONTROL VAN

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

RECLAIM SYSTEM

Type : Gasmyzer for 2 Divers
 Pumps : Haskel AGD-4 x 5
 Diver Capacity : 2 divers

LIFE SUPPORT MACHINERY

Pot Hot Water Unit : Air Driven
 ECU Units : 4 x Control Master Unit
 Blowers : External Regen System

DIVER HOT WATER UNIT

Driven : Electric
 Supply : 2 divers & Bell (Seawater)

SERVICES REQUIRED

Electric : 440V-AC 50/60Hz
 Emergency Generator : 250KV_a
 Compressed Air : 7kg/cm²

✓ **Specifications subject to change without notice**
 ✓ **System components may change due to suitability**
 of work sequence.



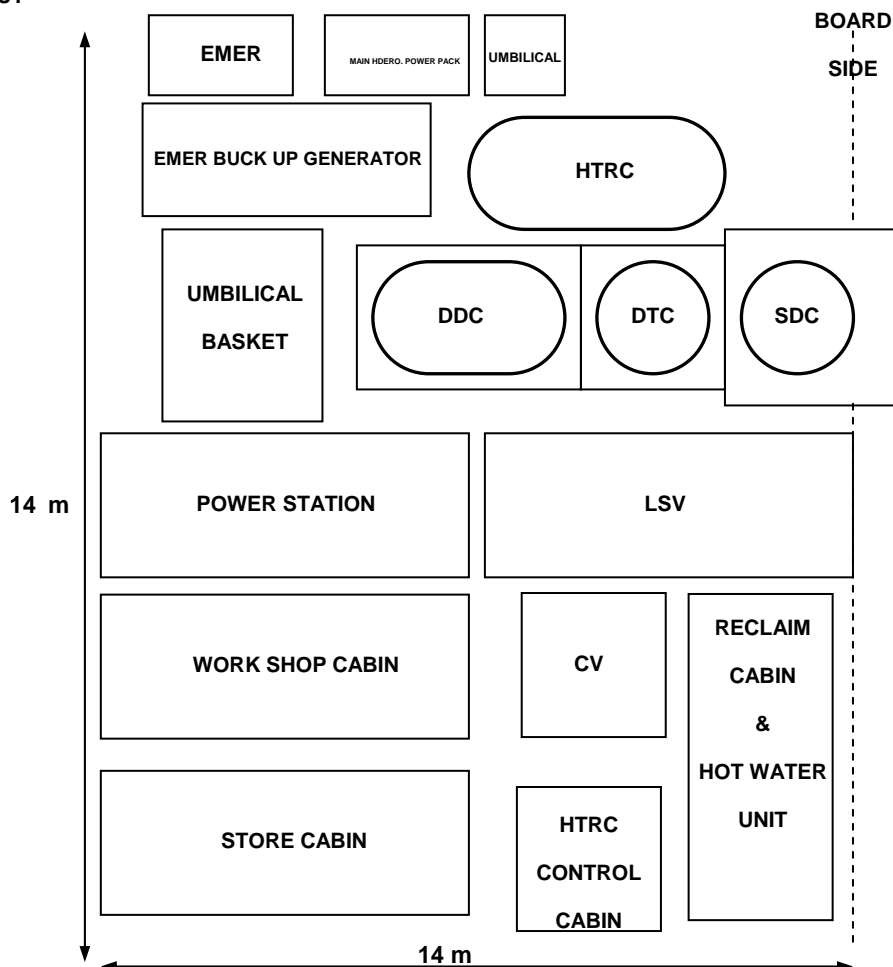
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GENERAL LAYOUT



DESCRIPTION

DIMENSIONS (L x W x H)

WEIGHT(TON)

Diving Bell (SDC)	: 2314 x 2070 x 2438	7.0
Bell Launch and Recovery System (LARS)	: 4000 x 2800 x 2950	9.5
Side Lock Diver Transfer Chamber (DTC)	: 1828 x 2300 x 2300	3.0
4 man Living Chamber 1 (LC-1/HTRC)	: 4830 x 2300 x 2300	7.0
4 man Living Chamber 2 (LC-2/DDC)	: 3540 x 2300 x 2300	5.0
Control Van (CV)	: 4000 x 2300 x 2300	4.2
Life Support Van (LSV)	: 6100 x 2440 x 2600	7.0
HTRC Control Cabin	: 3060 x 2440 x 2600	3.0
Main Umbilical Basket(x 2 incl. emergency)	: 3600 x 2200 x 1300	5.0
Power Station	: 6100 x 2440 x 2600	7.0
Store Cabin	: 6100 x 2440 x 2600	7.0
Work Shop Cabin	: 6100 x 2440 x 2600	7.0
Winch with winch skid	: 3000 x 2300 x 1630	8.0
Reclaim & Hot Water Unit Cabin	: 6100 x 2440 x 2600	7.0
Main Hydraulic Power Pack	: 2240 x 1150 x 1860	2.5
Emer	: 2100 x 920 x 1830	2.5
Emer Umbilical for Surface	: 1000 x 1000 x 1800	0.2
Emer Back-up Generator	: 4130 x 1420 x 2050	3.0