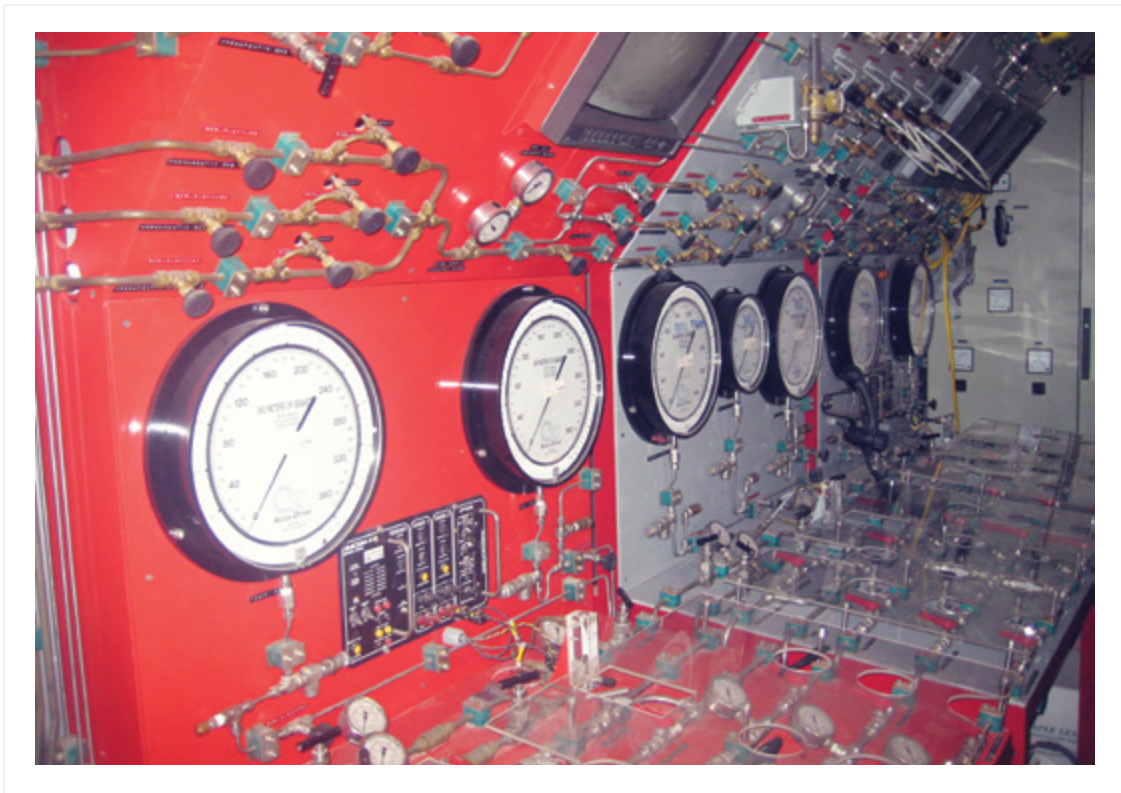




SATURATION DIVING SYSTEM

SAT VI

The CCC (Underwater Engineering) SAT VI Saturation Diving System is ABS Classed and is designed for operations down to a maximum depth of 200 m. The system can accommodate 6, 9 or 12 divers in order to achieve 24 hour back-to-back diving operations. SAT VI comes with its own Hyperbaric Rescue Chamber (HRC), designed to evacuate divers in saturation should the marine spread be at risk from fire or sinking. Being composed of modules, SAT VI can support a wide range of subsea operations, ranging from heavy to light saturation.



SYSTEM HIGHLIGHTS

- ▲ Maximum working depth of 200 m.
- ▲ Capacity to hold six, nine or twelve men in saturation, single or double DDC each 6 man chamber. System includes 3 man diving bell.
- ▲ System includes a 15 man Hyperbaric Rescue Chamber (HRC).
- ▲ System can be configured in a variety of ways (i.e. in line, side by side or at right angles).
- ▲ A-Frame launch system for the diving bell (SWL 10 Tons).
- ▲ ABS Classed (ABS A1 SAT V - Saturation Diving System).
- ▲ Area occupied by the SAT system is approximately 255 m² (inclusive of all auxiliary equipment).

SYSTEM SPECIFICATIONS

DDC SPECIFICATIONS

Year of Manufacture:	2015
Working Pressure:	20 Bar
Over Test Pressure:	30 Bar
Internal Diameter:	2133 mm
Volume:	24.1 m ³
Personnel Capacity:	6 Man
Quantity:	2 Nos.

DIVING BELL

Year of Manufacture:	2015
Design Depth:	200 meters
Working Pressure:	20 Bar
Over Test Pressure:	30 Bar
Personnel Capacity:	3 Man
Volume:	6 m ³
Length:	2450 mm
External Diameter:	1945 mm

BELL LAUNCH AND RECOVERY SYSTEM

Type:	A-Frame
Winch Capacity:	10 Tons
Wire O/D:	32 mm

BELL MAIN UMBILICAL

Length:	225 m
Umbilical O/D:	86 mm

UMBILICAL SERVICES

- 4 x 1/4" Pneumo Lines
- 2 x 1/2" Gas Supply Lines
- 1 x 3/4" Reclaim Line
- 1 x 3/4" Hot Water Line
- 2 x Mini TV Cables
- 2 x Power Cables
- 2 x 14 Core Communication Cables

HYPERBARIC RESCUE CHAMBER

Year of Manufacture:	2015
Max Working Pressure:	20 Bar
Over Test Pressure:	30 Bar
Personnel Capacity:	15 Man
Life Support:	Independent
Volume:	16.6 m ³

HRC LAUNCH AND RECOVERY SYSTEM

- Crane Launch
- Winch Launch
- Float Out
- Tow Out Using Independent Vessel

LIFE SUPPORT / ENVIRONMENT SYSTEM

- Oxygen Analyzers
- Carbon Dioxide Analyzers
- Hydrocarbon Dioxide Analyzers
- Chillers
- Scrubbers
- Sanitary Facilities
- Freshwater Supply & Food Supply
- Illumination
- Noise Insulation

SYSTEM POWER REQUIREMENTS

440V~480V, 3Φ, 50/60 Hz, 280 kW

EMERGENCY POWER REQUIREMENTS FOR BELL RECOVERY

440V~480V, 3Φ, 50/60 Hz, 180 kW

DIVING SYSTEM PHYSICAL PROPERTIES

Main Skid c/w LARS:	13.7 x 4 x 3.3 m, 40 Tons
DDC:	9 x 2.4 x 2.4 m, 20 Tons
3 Men Bell:	2.5 x 2 x 2 m, 5.35 Tons
Control Room:	6.1 x 2.9 x 2.8 m, 11 Tons
SAT Control Container:	9.2 x 2.4 x 2.4 m, 10 Tons
Winches / HPP Frame:	2.5 x 2 x 2 m, 4 Tons
Auxiliary Container c/w:	6 x 2.4 x 2.4 m, 9 Tons i. Gas Reclaim System; ii. Hot Water Machine; iii. Sanitary Water Unit.
Chiller Container:	3 x 2.4 x 2.4 m, 5 Tons
Workshop Container:	6 x 2.4 x 2.4 m, 7 Tons
Stores Container:	3 x 2.4 x 2.4 m, 4 Tons
Fly Away Package Container:	3 x 2.4 x 2.4 m, 9 Tons
Gas Transfer Compressor:	1.7 x 1.52 x 1.2 m, 1 Tons
Main Umbilical Basket:	9.85 x 8.5 x 8 m, 3.5 Tons
HRC:	6 x 2 x 2 m, 12 Tons

SYSTEM LAYOUT

TBA