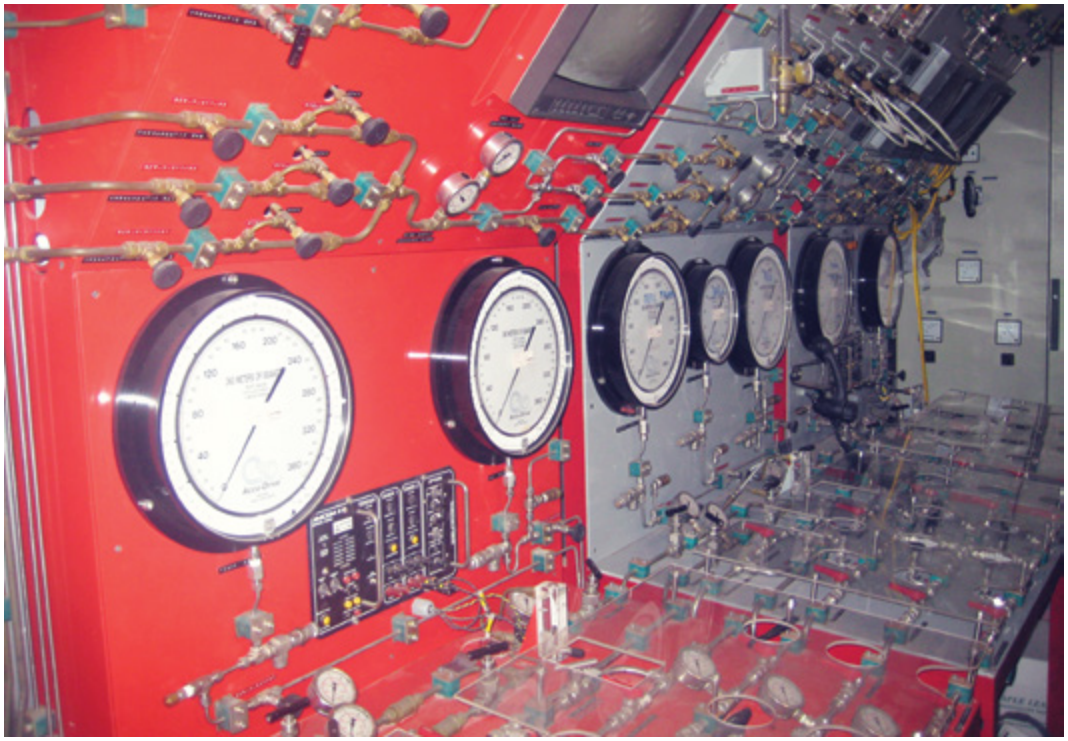
SATURATION DIVING SYSTEM

SAT IV

The CCC (Underwater Engineering) SAT IV Saturation Diving System is designed for operations down to a maximum depth of 200 m. The system can accommodate 6 divers in order to achieve 24 hour back-to-back diving operations. SAT IV comes with it's 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 IV 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 men in saturation.
- System includes a Hyperbaric Rescue Chamber (HRC).
- Diving bell can accommodate two divers.
- Gantry launch system for the diving bell.
- Area occupied by the SAT system is approximately 196 m^2 (inclusive of all auxiliary equipment).

SYSTEM SPECIFICATIONS

DDC SPECIFICATIONS

Year of Manufacture:	1978
Working Pressure:	20 Bar
Over Test Pressure:	30 Bar
Internal Diameter:	2133 mm
Volume:	24.1 m^3

DIVING BELL

Year of Manufacture:	1978
Design Depth:	200 meters
Working Pressure:	20 Bar
Over Test Pressure:	30 Bar
Personnel Capacity:	2 divers
Volume:	5 m^3
Length:	1250 mm
External Diameter:	1905 mm

BELL LAUNCH AND RECOVERY SYSTEM

Type:	Gantry
Winch Capacity:	10 Tons
Wire O/D:	38 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:	2006
Max Working Pressure:	20 Bar
Over Test Pressure:	30 Bar
Personnel Capacity:	8 divers
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, 236.8 kW

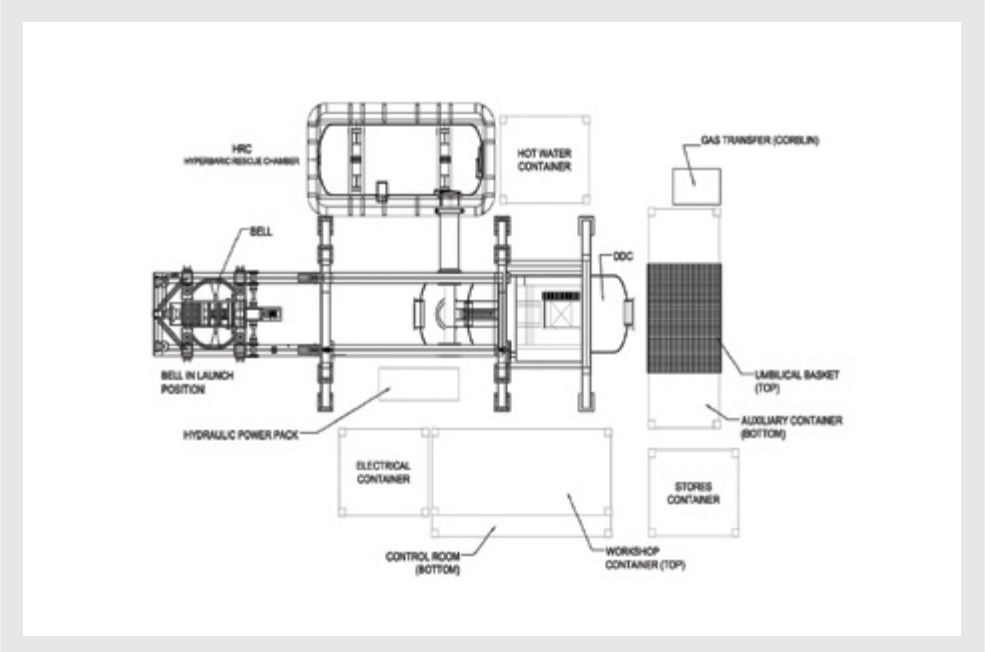
EMERGENCY POWER REQUIREMENTS FOR BELL RECOVERY

440V~480V, 3Φ, 50/60 Hz, 120 kW

DIVING SYSTEM PHYSICAL PROPERTIES

Main Skid c/w LARS:	10.7 x 5.4 x 5.6 m, 70 Tons
DDC:	2.8 x 2.8 x 2.9 m, 8.2 Tons
2 Men Bell:	2.5 x 2 x 2 m, 5.35 Tons
Control Room:	6.1 x 3 x 2.4 m, 6.5 Tons
Electrical Container	3 x 2.4 x 2.4 m, 3 Tons
Umbilical Basket:	3 x 2.5 x 2.1 m, 3.5 Tons
Auxiliary Container (x2):	6.1 x 2.4 x 2.4 m, 6.8 Tons
Gas Transfer (Corbin):	1.6 x 1.0 x 1.5 m, 2 Tons
Workshop Container:	6.1 x 2.4 x 2.4 m, 6 Tons
Stores Container:	3.0 x 2.4 x 2.4 m, 4.5 Tons
HRC:	6.4 x 3.2 x 2.2 m, 14 Tons

SYSTEM LAYOUT



Note: The technical specifications presented within this document are subject to change without prior notification. The information presented within this document are believed to be correct, but no guarantees of accuracy can be given.