

SATURATION SYSTEM PLI-SAT-01

MAIN PARTICULARS

| | |
|--------------------------|-------------------------------|
| Owner: | Perisai (L) Inc. |
| Year Built: | 2004 |
| Refurbished by: | UTS |
| Classification standard: | IMCA D 024 |
| Depth rating | Depth rating: 200 bar (200 m) |

DIVE & SATURATION CONTROL UNIT

Dive / Bell Control Panels
 Diver Gas Reclaim Control Panel
 Bell Services Controls (Electrics, Communications, Hot Water) Thru Water Communications
 Carbon Dioxide & Oxygen Analyzers for Bell & Diver Breathing Gas
 Diver & Bell Internal Video Monitoring & Controls
 Diver Video Surface Control
 Chamber Control Panel (ML 1, TUP, HRC)
 Chamber Environment Control Panel
 Un-Scrambler Communications Sets
 Carbon Dioxide & Oxygen Analyzers for Chamber Monitoring
 Closed Circuit Video System to Chambers

DIVING BELL 3 MAN

2 x 60 m Diver umbilicals & 1 x Standby Diver Umbilical 1
 2 x Divers Hat Mounted Colour Cameras & Lights
 2 x Bell Carbon Dioxide Scrubber
 1x Bell Heater (Hot Water Unit)
 2 x Diver Gas Reclaim (DGRS) Panel
 Bell / Diver Communications System
 Onboard Emergency Gas Cylinders & Power battery
 Thru Water Communications
 Fixed Stand-off Frame
 Hydraulic Bottom Door System
 Internal & external lights

HYPERBARIC RESCUE CHAMBER (HRC)

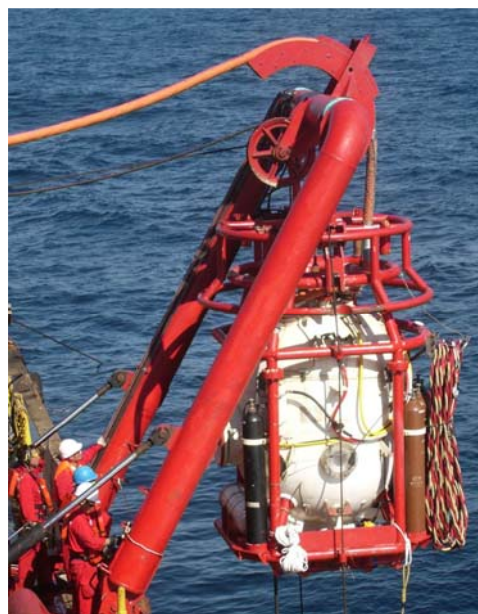
Emergency Gas Cylinders & Power Battery 48 hours
 9 x Full Seat Harness & approved Safety Helmets.
 1 x Toilet, Shower, Wash Basin
 3 x HCU, 11 x BIBS, Communications,
 3 X Bunk Beds
 Lifting Rigging and Towing Bridle

LIFE SUPPORT MACHINERY UNIT

Dual Diver Hot Water Unit (100% redundancy)
 3 x Chamber Environment Control Units
 Chamber Potable Water Unit pre-set temperature
 Air Driven Diver Gas Reclaim Surface Unit
 Cooling Fans

HRC EMERGENCY CONTROL UNIT

Control panel
 Communications & Analyzers
 Environment Control Cooling
 Supplied with Emergency Gas in separate racks
 Supplied with Emergency Hook Up Umbilical



POWER SUPPLY REQUIREMENTS

| | |
|----------------|---------|
| Main DDC & TUP | 22.7 m3 |
| HRC | 13.5 m3 |
| Bell | 4.5 m3 |

MAIN SKID

A - Frame & Bell Trolley
 6 - Man Living Chamber c/w 6 x Bunk Beds with Mattresses, 7 x BIBS, 2 x HCU,
 CO2 Scrubber, Medical Lock & Communications Transfer Chamber (TUP) c/w 1 x Toilet, Shower, Wash Basin, 1 x HCU, 3 x BIBS, CO2 Scrubber & Communications.

WINCH SKID

Main Bell Winch (Hydraulic 10 tonne Man riding)
 Guide Wire Winch (Hydraulic 6 tonne double sheaved)
 Bell recovery in water
 Umbilical Sheave (Air)

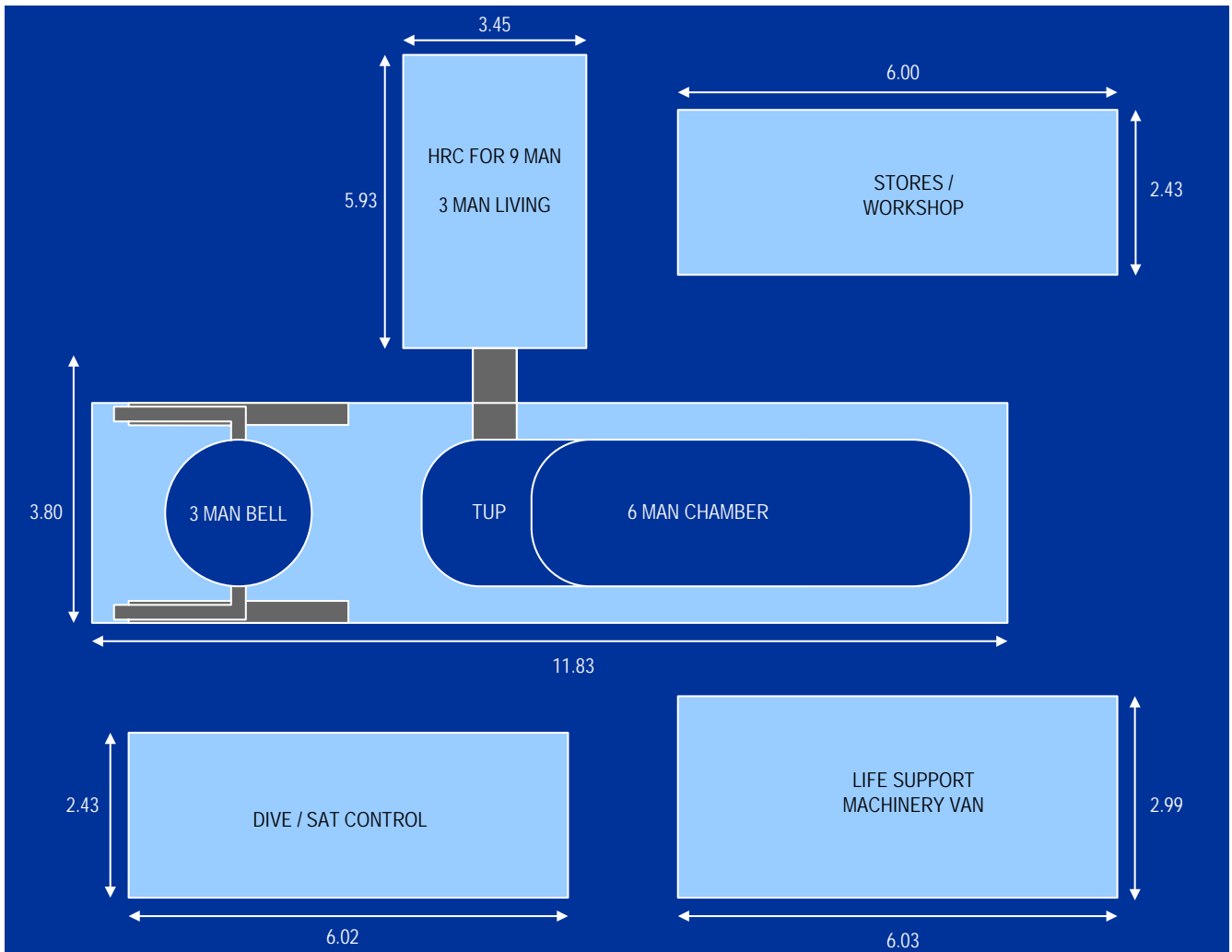
OTHER EQUIPMENT

20' Store / Workshop Container
 260 m Bell Umbilical on powered reel
 3 x Ultra flow 500 reclaim hats
 2 x KMB 18B Band Mask
 Deck Electrical / Gas Leads
 Spreader Bar & Lifting Slings

POWER SUPPLY REQUIREMENTS

| | |
|------------------------------|----------------------|
| Electrical Power Requirement | 440 50 / 60Hz 250kVA |
| Emergency Generator | 440 50 / 60Hz 250kVA |
| Compressed Air | 400cfm,90 psi |
| Seawater | 25 gpm |
| Fresh Water | 3 gpm |

The Saturation Diving System was built and maintained in accordance with International Marine Contractors Association (IMCA) guidelines for offshore Diving Systems D018, to carry out Saturation diving operations to 200m water depth.



PLI-SAT-01 Saturation Diving System 200m - 9 man system / 3 man bell

| Equipment Description | Length (m) | Width (m) | Height (m) | Weight (kgs) |
|-------------------------------------|------------|-----------|------------|--------------|
| Main Chamber including Bell & Skid | 11.83 | 3.80 | 7.26 | 75,000 |
| Hyperbaric Rescue Chamber with Base | 5.93 | 3.45 | 3.80 | 19,000 |
| Dive Control Van | 6.02 | 2.43 | 2.43 | 7,500 |
| Life Support Machinery Van | 6.03 | 2.99 | 2.61 | 12,000 |
| Store/Workshop | 6.00 | 2.43 | 2.43 | 5,000 |
| HRC Control Van | 3.00 | 2.50 | 2.40 | 4,000 |

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