

# IGOPL OFFSHORE PVT. LTD.

## DIVE SYSTEM #: SSDS-01 SPECIFICATIONS



Owner	: <b>IGOPL OFFSHORE PVT. LTD.</b>
Builder	: Divex (Asia Pacific) Pte Ltd.
Year of Built	: 2009
Design Standard	: IMCA D-023
Testing / Certification Std.	: IMCA D-018
Overall Weight	: 12870.00 Kg
Area	: 31.306 sq. mtr
Air Diving System requirements	: Electric Power Supply – Main - 150 KVA 440 V 60 Hz Emergency Electric Power Supply - 125 KVA 440 V 60 Hz Compressed Air – 275 cfm @ 90 psi Seawater - NA Fresh Water - NA

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### Twin Lock Deck Decompression Chamber (DDC):

- Containerized 60" Twin Lock
- 3 man Air / Gas panel
- Built to ASME Sec. V111 DIV 1.2007Ed ASME PVHO, 2007ED.

### Dimensions:

- Length: 3602 mm
- Diameter: 1516 mm
- Viewport dia.: 232 mm
- Weight (dry): 2998 Kg



### LARS

- A-Frame with dedicated power pack
- Dive Basket with 2 x 47 ltrs. Cylinders
- Clump weight
- "RAM" man riding air winch

### Dimensions:

- 4572 x 2438 x 3642 mm
- Weight : 4000 Kg



### High Pressure Compressors

- Bauer Mariner electric driven with 250 L/min capacity

### Dimensions:

- 1500 x 750 x 1000 mm
- Weight : 220 Kg.



### Low Pressure Compressors

- Quincy 5120 electric driven with 250 cfm capacity

### Dimensions:

- 2000 x 1600 x 1600 mm
- Weight : 1300Kg



### Helmet

- Superlite 37B with hat mounted light & camera.

### Umbilicals

- Diver 1: 200 mtrs.
- Diver 2: 200 mtrs.
- Diver 3: 200 mtrs.

### Operational Requirements:

Power Requirements : 300Kva

Compressed Air Requirements : 275cfm

*\*\*The above specifications reflect to the current configuration of the system. Specifications are subjected to change without prior notice*

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### List of Projects

1. Client: **Petronas Carigali Myanmar Ltd (PCML)**  
Contractor: TL Offshore.  
Location: Myanmar  
Vessel Name: LTS-3000.
2. Client: **CARIGALI HESS**  
Contractor: SARKU / T L Offshore.  
Location: Block A-18, Malaysia-Thai Joint Development Area  
Vessel Name: LTS-3000.
3. Client: **ExxonMobil Exploration and Production Malaysia Inc. ("EMEPMI")**  
Contractor: SARKU / T L Offshore.  
Location: Malaysia  
Vessel Name: LTS-3000.
4. Client: **Zawtika Development Project, Phase 1A EPCIC**  
Contractor: L&T/OCS.  
Location: Myanmar  
Vessel Name: LTS-3000.

**DIVE SYSTEM #: SSDS-02**

Container One (DDC container) Standard
<b>Twin lock Deck Decompression Chamber (DDC)</b>
1) 60 " diameter twin lock DDC, GLIS Certified
2) Stainless steel penetrators, 700mm Man ways, 3 View Ports.
3) 2xBunks in Main lock, 1xSeat in entry lock.
4) Equipment:
· External control panel w/6" depth gauges, all necessary valving and controls
· Divex G21-2-02 analyzer
· Interlock on medical door, temp/humidity gauges in each lock.
· Internal caisson gauge in main compartment
· LP20 low profile lights in each compartment.
· BIBS system with overboard dump and 5xDivex BIBS masks.
· Fire Extinguishers in main lock.
<b>20 Feet Standard Container</b>
1) Fully lined and insulated to house decompression chamber
2) Dive panel, Video and communication system
3) Internal bulkhead and personnel door, storage for diving equipment.
<b>3-Diver HP/LP Panel for Diver support Operations.</b>
1) 4 Inlet-LP air, HP Air, Mix 1 and Mix 2
2) ¼ % accurate 8" pneumo depth gauge.
3) Crossover valves, gauge calibration points, gas analysis on all lines.
4) Complaint with IMCA.
<b>2-Diver Video Systems, Mounted in 19" Rack</b>
1) 3xLCD Monitors, 2x Light controllers with line insulation monitors
2) 3xDVD HD recorders, hard drive 'Black Box' recording system
3) Video Overlay, LYNN video enhancement.
<b>3-Diver Air Radio Mounted in 19" RACK.</b>
Independent channel controls, Simplex or Duplex modes.

Container Two (Machinery container) Standard
<b>20 Feet Standard Container</b>
<b>BAUER Mariner 320 hp compressor.</b>
1) 440V/3 ph. 320 L/min.
2) 300 bar max supply pressure.
3) Breathing and Filtration package.
4) Auto start/Stop and auto drains.
<b>Quincy LP Rotary type Compressor.</b>
1) 16 bar Delivery.
2) Breathing and Filtration package.
3) 440V/3 ph; 78.6 Acfm.
4) 120 Gallon receiver tank
4) Auto start/Stop and auto drains.
<b>LARS System (2 nos)</b>
Lift capability: 1 Ton (1000 kg)
Lifting speed: operator controllable up to 20m per minute
Dimensions:
LARS 1-Length – 4430mm; Width – 2300mm; Height – 2300mm
LARS 2-Length – 3170mm; Width – 2000mm; Height – 2100mm
<b>16 Cylinder HP air Bank (2 nos)</b>
<b>Diver Personnel Gear</b>
<b>Helmet</b>
Kmb 37 : 2 nos,
KMB 18 :- 2 nos
<b>Umbilical</b>
Diver 1 :- 200 mtr
Diver 2 :- 200 mtr
Diver 3 :- 200 mtr







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\*\*Refer Spec sheet for dimension, total number of packages/Lifts {standard container (2 nos) & Divers LAR (2 nos)}

## DIVE SYSTEM #: SSDS-03

Builder: Divex (Asia Pacific) Pte Ltd

Container One
<b>Twin lock Deck Decompression Chamber (DDC)</b>
1) 60 " diameter twin lock DDC, DNV Certified 2) Stainless steel penetrators, 700mm Man ways, 3 View Ports. 3) 2xBunks in Main lock, 1xSeat in entry lock. 4) Equipment: <ul style="list-style-type: none"> <li>External control panel w/6" depth gauges, all necessary valving and controls</li> <li>Divex G21-2-02 analyzer</li> <li>Interlock on medical door, temp/humidity gauges in each lock.</li> <li>Internal caisson gauge in main compartment</li> <li>LP20 low profile lights in each compartment.</li> <li>BIBS system with overboard dump and 3xDivex BIBS masks.</li> <li>Fire Extinguishers in main lock.</li> </ul>
<b>20 Feet ISO Standard Container</b>
1) Fully lined and insulated to house decompression chamber 2) Dive panel, Video and communication system 3) Internal bulkhead and personnel door, storage for diving equipment.
<b>3-Diver HP/LP Panel for Diver support Operations.</b>
1) 4 Inlet-LP air, HP Air, Mix 1 and Mix 2 2) ¼ % accurate 6" pneumo depth gauge. 3) Crossover valves, gauge calibration points, gas analysis on all lines. 4) Complaint with IMCA and AS2299.
<b>2-Diver Video Systems, Mounted in 19" Rack</b>
1) 2xLCD Monitors, 2x Light controllers with line insulation monitors 2) 2xDVD HD recorders, hard drive 'Black Box' recording system 3) Video Overlay, LYNN video enhancement. 4) 2-Helmet mounted cameras and lights.
<b>3-Diver Air Radio Mounted in 19" RACK.</b>
<b>Independent channel controls, Simplex or Duplex modes.</b>
<b>Diving Equipment</b>
3x Divers Umblicals (200mtrs). 2x Superlite 37K Diving Helmets. 1x KMB28 Bandmask. 3xBailout sets with backpacks.

Container Two
<b>20 Feet ISO Standard Container</b>
1) Non-Slip flooring, Ventilation grills 2) Industrial Lighting and Power. 3) Penetrator Plates for gas/electrical
<b>BAUER Mariner 320 hp compressor.</b>
1) 440V/3 ph. 320 L/min. 2) 300 bar max supply pressure. 3) Breathing and Filtration package. 4) Auto start/Stop and auto drains.
<b>COMPAIR LP Screw type Compressor.</b>
1) 16 bar Delivery. 2) Breathing and Filtration package. 3) 440V/3 ph; 80 scfm. 4) 500 Liter receiver tank
<b>Hydraulic Power Pack for LARS system-electric Drive.</b>
1) 30 hp @ 2500 psi, 440 V/3 ph. 2) 150 Liter oil Tank. 3) Aux motor as back-up.
<b>LARS System</b>
Lift capability: 1 Ton (1000 kg) Lifting speed: operator controllable up to 20m per minute Dimensions: Length – 917mm; Width – 640mm; Height – 505mm
 
 

\*Specifications on this sheet are subject to change without notice and are provided for information only