



OWA
Group

Ocean Works Asia

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SSDS-2

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SSDS-2

Surface Supplied Diving System

SSDS-2 is part of OWA's inventory of air diving system for offshore oil & gas and inshore civil works.

The air diving system is IMCA D 023 compliant and housed in a 10' container providing a small footprint for projects with limited deck space. The diving control container comes equipped with a three diver panel supporting all video, lighting and communications to the divers.

A High Pressure Storage (HPS) container provides the air supply with 17 x 50L air cylinders and 14 x 50L cylinders of Medical O2 for treatment purposes. Also included is a mobile twin lock Deck Decompression Chamber that is easily transportable.



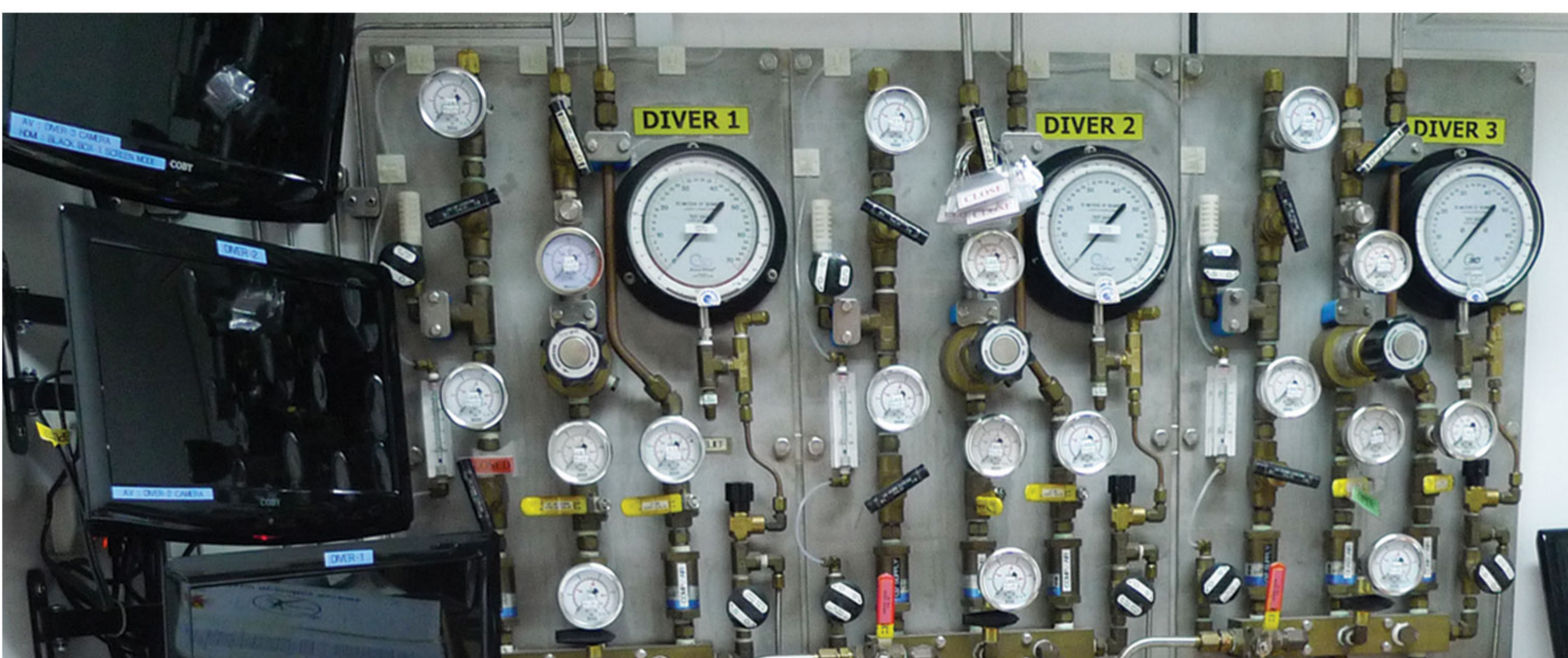
Diving Equipment and Storage Compartment



Deck Decompression Chambers (D.D.C.)



High Pressure Storage Container



Dive Control Panel



Dive Control Van

Providing Cost Effective Solutions



Built

Manufacturer	Ocean Works Asia Pte Ltd
Year Built	2017
Certification/Testing Standard	IMCA D023 / D018

Combined Dive Control and Diving Equipment Van (3.1M(length) x 2.5M(width) x 2.6M(height), 10FT Container)

Dive Control

The panel is designed for two working divers. The third diver acts as a Standby Diver. The panel accommodates HP air and LP air and is fitted with an oxygen analyzer for each diver. The panel is fitted with HP regulators for the control of HP air supplies.

Dive Control System Includes:

2 x HP air supply back up for divers
3 x Depth Gauge (0-76msw/0-250fsw)
3 x Oxygen Analyzers
1 x Diver CCTV Control for 3 cameras, 3 lights with 3 monitors and recording
1 x BA Mask with communications set
2 x 3 Divers Communication Radio
1 x Uninterrupted Power Supply (UPS)

Diving Equipment

2 Length of 184 Meters Umbilicals International P/N: UDA0504: Twisted Diving Umbilical
1 Length of 200 Meters Umbilicals International P/N: UDA0504: Twisted Diving Umbilical
1 x KMB 18B Diving Band Mask with Hardshell
2 x KMB 17 Diving Helmet
3 x Diver Hat Mounted Camera with Brackets
3 x Diver Hat Mounted Light with Brackets
Storage Compartment

Required Supplies

Electrical Power Supply For DCV	: 220V-32A
HP Compressor	: 415VAC, 3 Phase, 32A
Fresh Water	: 200L /day (equipment washing and diver shower)

SSDS-2 Dimensions Description (Total 3 items)

1 x Combined Dive Control and Diving Equipment Container:	(L)3,100 x (W)2,500 x (H)2,600, (Weight)3,500kg
1 x High Pressure Storage Container	: (L)2,450 x (W)1,830 x (H)2,600, (Weight)4,000kg
1 x Deck Decompression Chamber	: (L)3,700 x (W)1,770 x (H)2,000, (Weight)4,000kg

Deck Decompression Chamber

3.7M(length) x 1.77M (width) x 2.0M (height)

Decompression Chamber

The main lock of the chamber can be used for two occupants and the entry lock for one.

High Pressure Storage Van(HPS)

2.45M(length) x 1.83M(width) x 2.6M(height)

The container fit out include:

Medical Oxygen Bank :	14 Bottles X 50L X 200Bar
Diving Air Bank-1 :	7 Bottles X 50L X 200Bar
Diving Air Bank-2 :	7 Bottles X 50L X 200Bar
Diving Air Bank-3 :	3 Bottles X 50L X 200Bar
1 x Portable HP Compressor c/w filtration system, 415V 50/60HZ 3-Phase 10.8 SCFM 3000PSI.	

Guidance Codes and Standards

IMCA D023: DESIGN - Diving Equipment Systems Inspection Guidance Note

D018 – Periodical Maintenance of Diving Equipment

Diver deployment and recovery options available depending on the dive site location.