



OWA  
Group

# Ocean Works Asia

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## SSDS-7

# OWA SSDS-7

## Surface Supplied Diving System



Diver Launching  
And Recovery System

SSDS 7 is the latest addition to OWA's inventory of air diving systems for offshore oil & gas and inshore civil works.

The air diving system is IMCA D 023 compliant and housed in 2 x 20' containers (DNV 2.7-1) which allows it to be easily mobilized offshore for any projects. The machinery container comprises of HP & LP compressors and a hydraulic power pack for supporting a range of tools.

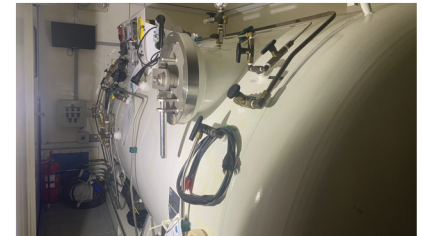
The diving control container comes equipped with a three diver panel supporting all video, lighting and communications to the divers. The system comes with two dedicated Launch and Recovery Systems (LARS) for safe diver deployment and recovery.



Dive Control Panel



Combined Dive Control and DDC Container



Diving Decompression Chambers (D.D.C.)



DDC Control Panel



Machinery / Store Container



Quincy LP Compressor / HP Compressor / Hydraulic Power Pack 30HP



DDC Entrance

Providing Cost Effective Solutions



## Built

Manufacturer	Sea and Land Technologies Pte Ltd
Year Built	2018
Certification/Testing Standard	IMCA D023 / D018

## Combined Dive Control and DDC Container (20ft(L) x 8 ft (W) x 8.6ft (H), DNV 2.7-1 Offshore 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:

1 x 3 Diver Air Control Panel
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 Dives Communication Radio
1 x Uninterrupted Power Supply (UPS)

### Decompression Chamber

The main lock of the chamber can be used for two occupants and the entry lock for one. The chamber is also fitted with back pressure regulators for the treatment BIBS.

## Machinery Container (20ft(L) x 8 ft (W) x 8.6ft (H), DNV 2.7-1 Offshore Container)

#### The Container fit out include:

1 x Quincy LP compressor model 390 LVD with unloader, receiver tank and filtration system.415/460V 60HZ 3-Phase with air cooler.
2 x HP Compressor c/w filtration system each unit mounted over each other on marine coated aluminum frame, 440V 7.5HP 50/60HZ 3-Phase 10.8 SCFM 3000PSI.Manual drain, Tri-Chem breathing air purification system & emergency stop
Hydraulic Power Pack 30HP Motor 440V/3-Phase 50/60HZ Flow 15GPM at 2800PSI with Flow/Pressure Control
1 x 230V Transformer
2 x 440V Outgoing Supply to LARS
1 x 230V Outgoing Supply
2 x 440V Incoming Supply (Primary and Secondary)
1 x 230V Incoming Supply (Backup for Machinery Van)

### 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
2 x Umbilical rack for 3 Umbilicals
1 x KMB 18B Diving Band Mask with Hardshell
2 x KMB 37 Diving Helmet
3 x Diver Hat Mounted Camera with Brackets
3 x Diver Hat Mounted Light with Brackets

## Diver Launching & Recovery System

### Guidance Codes and Standards

IMCA D023: DESIGN - Diving Equipment Systems Inspection Guidance Note

D018 - Periodical Maintenance of Diving Equipment

### Specification

Max Working Depth: 50M
Main Winch SWL: 1000kg
Guide Wire Winch SWL: 650kg
Electrical Power Requirements: 380VAC 3P 50Hz or 440VAC, 3P 60Hz (3P+E)
Diving Capacity: 2 Divers
Main Winch Average Line Speed: 17.5m/min
Guide Wire Winch Average Line Speed: 33m/min

### A-Frame

Dimensions: 3450 L x 2185 W x 2000H (Stowed)
MGW: 4500kg
Test Weight : 8000kg
Tare Weight: 3800kg

### Diving Basket

Dimensions: 1200 L x 120 W x 2395 H
Test Weight: 1500kg
Tare Weight: 400kg

### Clump Weight

Dimensions: 1365 L x 215 W x 490 H
Test Weight: 300kg

### Hydraulic Power Pack

Main Pump Motor: 11KW
Bakup Pump Motor: 5.5 KW
Common Oil reservoir: 200L

### Main Wire Winch

Model: SLT 1300/13 Series
Wire Rope Length: 80m
Wire Rope Diameter: 13mm
SWL: 1000Kg

### Guide Wire Winch

Model: SLT 800/08 Series
Wire Rope Length: 160m
Wire Rope Diameter: 10mm
SWL: 650Kg

## Required Supplies

Electrical Power Supply	: 440V-120A, 3 Phase
Back-up Generator	: 440VAC, 3 Phase, 125KVA
Fresh Water	: 200L /day (equipment washing and diver shower)

## SSDS-7 Dimensions Description (Total 11 items)

1 x Combined Dive Control and DDC Cotainer	6500 L x 2420 W x 2900 H, (Weight)9500Kg
1 x Machinery/Store Container	6500 L x 2420 W x 2900 H, (Weight)8800Kg
2 x Diver Launching & Recovery System	<b>Transportation mode</b> 3450 L x 2100 W x 2445 H, (Weight)4500Kg
	<b>Vertical Position</b> 3450 L x 2100 W x 2445 H, (Weight)4500Kg
2 x Diver Umbilical Rack	1000 L x 900 W x 1800 H, (Weight)300Kg
1 x Back-up Generator	TBA (Rental)
1 x Diving Oxygen (16cylinders rack)	TBA (Rental)
3 x Diving HP Air (16 cylinders rack)	TBA (Rental)