



**OCEAN WORKS ASIA INC.**  
**- UNDERWATER CONTRACTOR -**

COMPANY INFORMATION

Date:

Jan. 2010

SSDS-4

OWA/INFO/2010/006

**Surface Supplied Diving System: OWA SSDS-4**

**MAIN PARTICULARS**

Owner: Ocean Works Asia Inc.  
Builder: Sea and Land Technology  
Design/Testing Standard: IMCA D018 / 023

**CONTAINERISED DIVE CONTROL / DDC**

6m x 2.5m container

**Dive control:**

2+1 man air diving control panel  
2+1 man depth gauges  
Oxygen analyzer  
CCTV underwater video camera c/w recording system  
Diver monitor system  
Diver communication unit  
4 x diver umbilical hose c/w umbilical rack

**DDC:**

Classification: Class ABS  
Dia 60" Double lock Decompression Chamber  
c/w 2ea 30" Manways and IMCA medical lock  
DDC control panel  
Oxygen analyzer  
3 x BIBS in each lock  
Primary communication unit for each lock  
Secondary communication unit  
Depth gauges for each lock  
Internal lights in each lock

**LAUNCH & RECOVERY SYSTEM**

3455mm(L) x 2150mm(W), SWL 1 ton Hydraulic LARS unit  
2 man diving cage c/w emergency breathing cylinder  
SWL 1.0 ton, Man-riding hydraulic primary winch  
SWL 0.65 ton, Man-riding hydraulic secondary winch  
with clump weight system

**CONTAINERISED COMPRESSOR VAN**

2.5m x 3.7m container  
2m<sup>3</sup>/min electric LP screw compressors  
2.4m<sup>3</sup>/min electric air dryer  
0.2m<sup>3</sup>/min electric HP compressor



**STORE CONTAINER**

6m x 2.5m container  
Diving personnel equipments  
Diving equipment spare parts  
Diving maintenance workshop  
Consumable store

**POWER SUPPLY REQUIREMENTS**

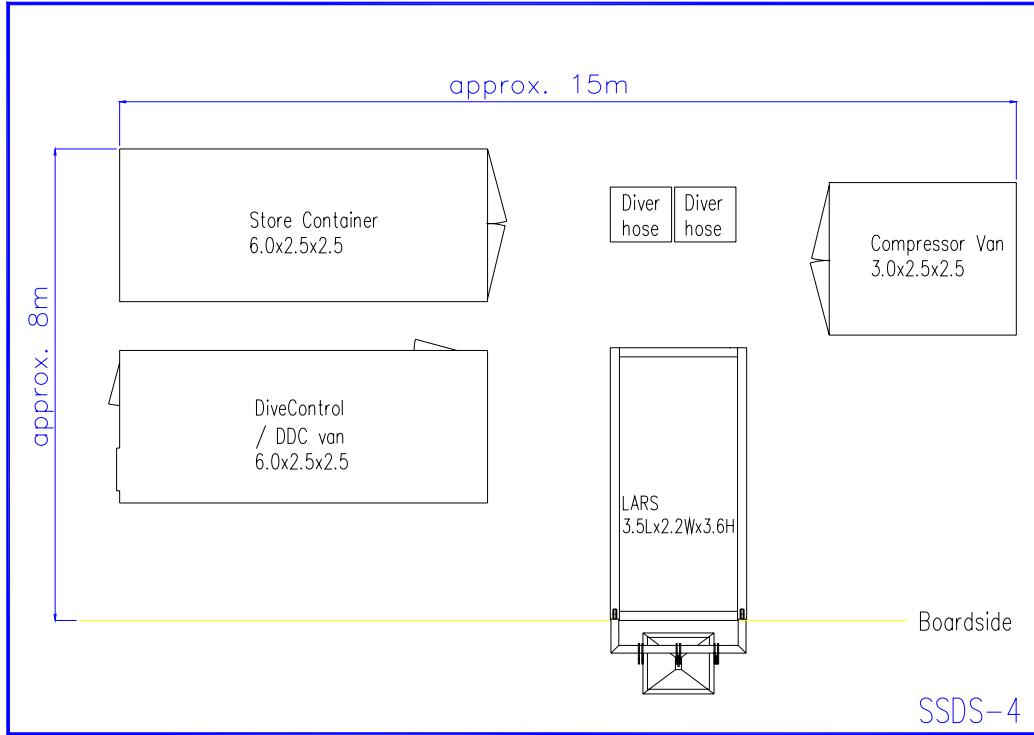
440V/3P, min. of 30kVA  
220V/3P, min. of 25kVA  
220V/SP, min. of 10kVA  
Fresh water supply

**OPTIONAL**

Mixed gas diving control panel  
Hydraulic power tools (Impact wrench, Grinder, etc)  
Hydraulic power unit for tools  
Underwater oxy-arc cutting equipment



**OWA SSDS-4 Typical Layout**



OWA SSDS-3				
Description	Length (m)	Width (m)	Height (m)	Weight (kg)
Dive control/DDC van	6.0	2.5	2.5	8,000
Compressor van	2.5	3.7	2.5	3,000
LARS	3.5	2.2	3.6	2,000
Diver umbilical rack	1.0	1.0	1.8	100
Store container	6.0	2.5	2.5	4,000