

# Subsea Responder I

## DP II Multi Service Vessel



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▶ **THE SUBSEA RESPONDER I** is a DP II Multi Service Vessel with a 40t AHC Crane with a Optional Shilling HD 150 HP ROV and Optional Surface Air and Mixed Gas Diving. Accommodations for 57 personnel. Capable of inspection, maintenance and repair (IMR) work.

# Subsea Responder I

## SPECIFICATIONS

### ► CLASSIFICATION

American Bureau of Shipping A1, AMS, DPS-2 U.S. Flag	
Builder	Bender Shipyard
Year Built	1998
Major Refit	2008 and 2011
Port of Registry	Port Arthur, Texas, USA

### ► MEASUREMENT

Length Overall	217.0 ft
Breadth Moulded	54.0 ft
Depth Moulded	20.0 ft
Draft (Max)	15.5 ft

### ► TONNAGE

GRT	2032 T
NRT	609 T

### ► MANEUVERING & PROPULSION SYSTEM

Main Engine	2 x EMD 16-645-E6 1950 HP each Total
BHP	3,900 BHP
Z Drive Units	2 x Kamewa Aquamaster 2001
Bow Thruster	2 x Kamewa Aquamaster TT 1650

### ► DYNAMIC POSITIONING

DP-2 System	Wartsila NMS6000
Sonardyne Ranger2 USBL tracking system	

### ► ELECTRIC POWER GENERATION

Main Generator	3 x Detroit Diesel rated 250 KW / 440 V / 60 Hz / 3 Ph 1 x CAT 3508B 910 KW / 440 V / 60 Hz / 3 Ph
Emergency Generator	1 x Detroit Diesel 75 KW / 480 V / 60 Hz / 3 Ph

### ► CARGO DECK

Deck Area	2,771.2 ft <sup>2</sup>
Deck Cargo Capacity	400 T

### ► NAVIGATION & COMMUNICATION EQUIPMENT

GMDSS (Area 3)	SE 170
VHF DSC	2 x Omni GX2400
MF/HF SSB	1 x SEA Model 2354W / 1635 tuner
EPIRB	1 x Alden 406 Mhz
SART	2 x McMurdo
Navtex Receiver	1 x Alden Nav 5
Portable GMDSS VHF	3 x ACR model 276
Inmarsat	1 x Timble Galaxy Centinal
Radar	1 x Furuno FR2115 1 x Furuno 1442 Mark Z Portable GMDSS
VHF	3 x ACR Model 276
Gyrocompass	3 x TSS Meridian
Magnetic Compass	1 x Cassens & Plath
Echo Sounder	1 x Sitex CUS 106L MK2
Speed Log	Fitted
Anemometer	Fitted
AIS	1 x Simrad A170

### ► MISCELLANEOUS

Oily Water Separator	1 x Nelson 10025
Sewage Treatment	1 x 73 persons
Water Maker	1 x Aquamar AQE-180

### ► STORAGE CAPACITY

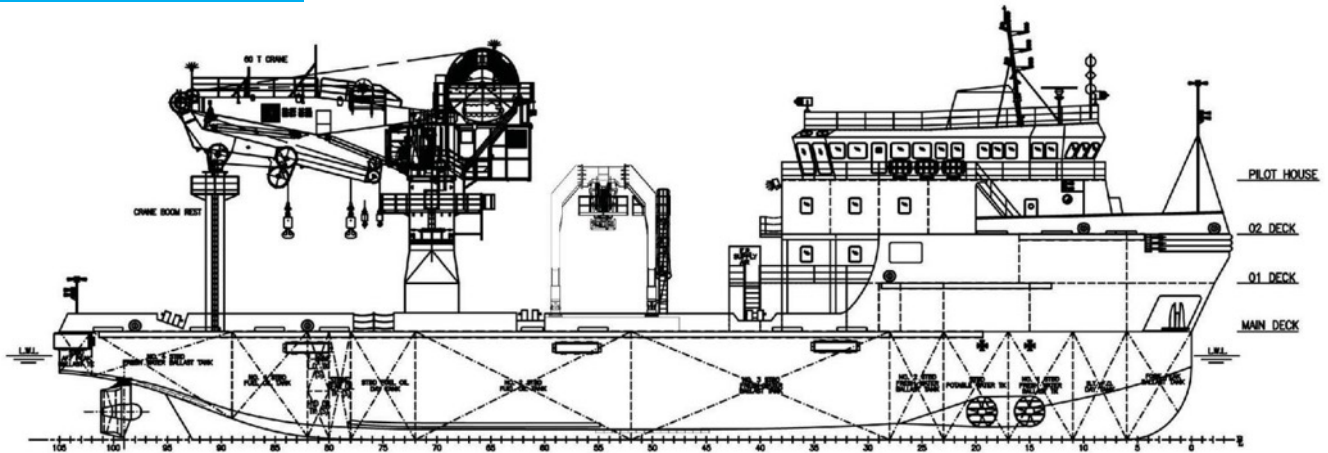
Fuel Oil	235,255 gallons
Potable Water	340,000 gallons
SW Ballast	32,229 gallons
FW Ballast	397,668 gallons

### ► ACCOMMODATION

Berth/Cabin	3 x 1 man 1 x 2 men 13 x 4 men
Total	57 men

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## SPECIFICATIONS



### ► SAFETY EQUIPMENT

Life Raft	8 x Life Rafts
Rescue Boat	1 x 6 persons
Davit	Ferri, SWL: 2 tons

### ► DECK EQUIPMENT

Subsea Crane	1 TTS Knuckle Boom Crane, Active Heave Compensation System 39.3 MT @ 12 m radius 19.7 MT @ 12 m radius for water depth of 2,800 m
Anchor Windlass	1 x McElroy Machine MDW 150/OSV30E Double Anchor Windlass
Anchor Chain	2 x 1710 ft x 1-1/2 in (diameter)
Anchor (Bow)	2 x 3473 lbs High Holding Power LWT

### ► MISSION EQUIPMENT

- Optional: Work class ROV system
- Optional: Dive support equipment

\* This vessel specification is given in good faith and assumed to be accurate at the time of print.  
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### ► ABOUT HYDRA

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