

# VESSEL SPECIFICATION

## HENAN 110 DPI Supply Vessel



### HENAN 110 DPI Supply Vessel.

Asia AKAM Industry as the first Iranian offshore survey company added HENAN 110 DPI supply Vessel to her fleet. She is operated by ASIA AKAM Industry Co. to do different type of project in Persian gulf and Oman Sea.

AKAM Co. can mobilized HENAN 110 DP1 vessel for cable lay and maintenance operation and can be rapidly proceed to location in Persian Gulf.

Instrumentation that can be mobilized onboard of HENAN 110 consist of marine FOC Tank, cable laying tensioner, clean Room and positioning equipment such as DGPS, Meridian Gyro Compass, USBL system and Remotely operated vehicle (ROV), along with comprehensive offline and control room, etc. (See the detail of the vessel).

The vessel equipped with 150 ton crane that able to perform any mattress installation operation and etc...

The Vessel also can be mobilized for survey operation.

ASIA AKAM Industry Co. operates in accordance with a health, safety and environmental management (HSE) system which is integrated with its quality management system.

#### DPI HENAN 110 complies with the following:

- Vessel Life saving /fire fighting appliances (FIFI) in compliance with SOLAS.
- Compliance with appropriate MARPOL requirements.

#### Vessel Capabilities:

- Cable laying Operation
- Cable maintenance Operation
- ROV Inspection Survey
- Cable Route Survey
- Geophysical Site Survey
- Pre-Engineering Survey
- Pre-Installation Survey
- Pipe Line Inspection survey
- Post Lay Survey
- Bathymetry Surveys
- Anchor Handling Tug Supply
- Matters Installation
- Diver Inspection

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## VESSEL DETAILS:

### Registration

Owner & Ship Management

**ASIA AKAM Industry Co.**

Type

**A1, Towing Vessel, Fire Fighting class1, offshore support, AMS, DPS1**

Port of Registration

**DILI, TIMORESE**

Class

**MBS**

Call Sign

**YB22YL**

Built

**2012**

Builder

**Fujian South East Shipyard, China**

IMO

**9635262**

Gross/Net Tonnage

**1678 T/503T**

### Dimension

Length Overall

**59.25 m**

Extreme Breadth

**14.95 m**

Maximum draft

**5.05 m**

Depth Moulded

**6.10 m**

Deck Space

**340 m2**

Dead Weight

**1515 MT @ 5.05 m Draft**

Deck Strength

**7 T/m2**

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## VESSEL DETAILS:

### Machinery

Main Engine	ASIA 2x Caterpillar 2575 BHP
Break Horse Power	5150 BHP
Gear Box	Reinjites
Auxiliary Engine	3 x Caterpillar C 18
Generator Power	3 x 350 KW, 415V, 50 Hz
Emergency Generator	1 x 65 KW Caterpillar
Shaft Generator	2 x 800 KW, 415V, 50 Hz
Propulsion	CPP ZF Italy
Steering System	Riq Canada
Bow Thruster	2 x 8.0 T CPP
Bollard Pull	68 MT
Speed	13 knots @ 100% MCR
Fuel Consumption	10 Kn—10T/day @ Ser speed 12 Kn—12T/day @ Ser speed 13 Kn—14T/day @ Max
Fresh Water Maker	5 T/Day Seantly
Sewage Treatment	50 persons

### Capacities

Fuel Oil	540 m3
Fresh Water	320 m3
Dry Bulk & Cement	187 m3

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## VESSEL DETAILS:

### TRANSFER PUMP

Fuel	1 x 125m <sup>3</sup> /hr @ 75m head
Fresh Water	1 x 100m <sup>3</sup> /hr @ 75m head
Drill Water	1 x 100m <sup>3</sup> /hr @ 75m head
Mud	2 x 75m <sup>3</sup> /hr @ 75m head

### Deck Towing Equipment

Anchor Handling/ Towing winch	Macgregor Hydraulic driven double drum waterfall 1 x 150 T Line Pull Brake Holding 200 T
Towing wire capacity	57 mm x 1000 m
Anchor Handling Wire	44 mm x 200 M
Tugger Winch	Macgregor 2 x 10T @ m/min 2 x 5 T @ 15m/min
Capstan	200 T Hydraulic Operated Karm Fork
Shark Jaw	2 x Karmoy
Towing Pin	

### Accommodation

Cabin x Man	2x1, 4x2, 8x4 Total = 42 + 1 Hospital
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### Dynamic Positioning System

Kongsberg	DP1
DGPS	2-DPS110
Radius	Cyscan
Wind Sensor	2 x Young
MRU	2 x Kongsberg & SAETEX
Gyro Compass	2 x Anschutz Raytheon & STD22

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### VESSEL DETAILS:

#### Navigation System

X –Band Radars	2 Sets
Magnetic Compass	Furuno FR-2115 & FR-1942
DGPS	Saura—MR—150
AIS	FURUNO GP-90
Auto Pilot	FURUNO FA-100
Echo Sounder	FURUNO
ECDIS	FURUNO
	1 Available (Danelec Marine)

#### Communication System

GMDSS	150 W—A1+A2+A3 Area
Inmarsat-C	2 x FURUNO Felcom-15
Sound Power Tel	Available
PA System	Available
Intercom System	Available
Email + Fax	Available

#### Fire Fighting System

Fire Fighting	2 x 1200 M3/Hr Monitor
Fire Pump	2 x 1200 M3/Hr Monitor
	Total 2400 M3/Hr Monitor
Foam	13m3

#### Special Equipment

Rescue Boat	1 x 7 Persons
Fast Rescue Boat	1 x 13 Person—22 Knots
Anti Pollution Tank	13 CBM
Spray Boom	2 x 6 Mtrs
EEBD	63 x 15 Min
Fix H2s System	1 x 5 Sensor
Detergent	13 m3

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## VESSEL DETAILS:

### Lifting Equipment

Crane	1 x 3 Ton x 9M-R
Heavy Lift	1x100 Ton



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