



## AHT IEVOLI AMARANTH

THE VESSEL IS EQUIPPED AND FITTED FOR THE FOLLOWING  
CONTINGENCY SERVICES:

- FIRE FIGHTING
- MOB OPERATIONS
- STAND BY DUTIES
- SUPPLY RESCUE VESSEL
- ANCHOR HANDLING
- TOWING/PUSHING
- RESEARCH SHIP

### MAIN DESCRIPTION

Year Built : February 2013  
Vessel built : SELAH Shipyard – Tuzla (Turkey)  
Type : Rescue / Standby / Anchor Handling / Tug / FiFi 1  
Classification : **ABS** - A1, Towing Vessel, Safety Standby Service GR B (24), Anchor Handling Vessel, Fire Fighting Vessel Class 1, Offshore Support Vessel, Oil Recovery Vessel Class 1, AMS, ACCU, DPS-2, TCM, ENVIRO  
Additional Class : RINA  
Port of registry : Ijmuiden  
Flag : Dutch  
Call Sign : PCSY  
MMSI : 246911000  
IMO Nr. : 9637363  
Certificates : ABS - Load Line and Tonnage Certificates (Suez), SOLAS Certificates, ISPP, IOPP, IAPP,SMC, Marpol Annex I,II,IV,V, Safety Radio Certificate, ISPS Certificate

### MAIN DIMENSIONS

Length o.a. : 65,72 m  
Length b.p.p. : 60,50 m  
Breath : 15,50 m  
Summer draught : 6,00 m  
Gross tonnage : 2732 t  
Net tonnage : 820 t

### CARGO CAPACITY

Dead weight : 1450 t

### DECK SPACE / STRENGTH

Length : 28 m  
Breath : 12 m  
Total : 340 m2  
Max deck load : 750 t  
Deck strength m2 : 7,5 t/ m2

### TANK CAPACITY

H.F.O. : 360 m3  
M.G.O. : 630 m3  
Fresh water : 290 m3

### ENGINE AND PROPULSION

Main engines : MAK 8M32C  
2 x 4000 Kw at 600 rpm  
Gear : 2 Main Gear  
Propellers : BCP Dia. 3400mm  
Variable pitch in fixed nozzles / Feathering type  
Tunnel thruster : 2 Tunnel Bow Thruster  
2 x 600 Kw  
1 Tunnel Stern Thruster  
1 x 600 Kw  
Steering gear : Hydroster Ship Machinery Works Ltd  
Bollard pull : Continuous Rated 134 t  
Maximum Rated 149 t

### AUXILIARIS

Main generator : - Shaft Generators  
2 x 1400 Kw  
- 2 x DDGG 400 Kw  
Port/emergency generator : - A/S Emergency Genset  
100Kw/125 KVA 3x380V 50Hz

### DECK EQUIPMENT (McGregor/Cargotec)

Towing / anchor handling winch : - 1 Towing Drum  
Wire 1500 m / 70 mm  
Line Pull 150T - 15m/min (1st speed)  
Brake Holding 300T  
- 1 Anchor Handling Drum  
Wire 1000 m / 86 mm  
Line Pull 200T - 12m/min (1st speed)  
Brake Holding 400T  
- All drums are declutchable  
- Automatic tension compensator  
- 2 Gypsies for 3" and 3 1/4" rig chain  
Spooling Device : 20 t Spooling Device for towing drum  
Capstan : 2x10t, Diam:500mm  
Crane : 6ton/15m, Knuckle type  
Tugger winch : 2 x 12 T 15 m/min  
Brake capacity 15 t  
Windlass : 83,8 KN 09 m/min  
Brake capacity 403 KN  
Chain dia. 40mm  
Shark Jaw : SWL 400 T  
Operated from bridge and locally  
Towing pins : Angular Type – SWL 300 T  
Operated from bridge and locally  
Stern Roller : Diam.2500x5700mm  
SWL 320 T

### NAVIGATION EQUIPMENT

1 x Radar,JRC Marine ARPA X-band  
2 x high resolution color display, radar plotter 21"  
1 x Radar, JRC Marine ARPA S-band  
1 x Radar repeater (slave radar) at aft wheelhouse console  
1 x GPS JRC  
1X DGPS JRC  
1 x Navtex JRC  
1 x Echo Sounder JRC ESOND  
1 x Speed Log JRC  
1 x AIS JRC  
2 x Gyro Compasses YOKOGAWA  
1 x Magnetic Compass C-PLATH  
1 x Autopilot NAVITRON  
2 x Wind Speed/Direction SENSORS  
1 x Weather Fax JRC

### COMMUNICATION EQUIPMENT

GMDSS Station Area A1+A2+A3  
- 1 HF/MF DSC sailor  
- 3 Emerg portable VHF GMDSS JOTRON  
- 2 VHF DSC JRC  
- 3 portable VHF ICOM  
- 2 Inmarsat C JRC (SSAS & LRIT))  
- 1 Radio telex Felcom 15  
- 1 EPIRB JOTRON  
- 2 SART JOTRON  
- 1 BNWAS NAVITRON  
- 1 Public Address System

### ACCOMODATION

1 man cabins, crew : 17 x 1 = 17  
2 man cabins, offer : 6 x 2 = 12  
Survivals : 2 x 4 = 08  
Hospital : 1 x 2 = 02  
Dispensary : 1 x 1 = 01  
Total number of bunks : **40**  
1 Meeting Room (10 persons)  
2 x Messrooms (30 persons)  
2 x Daily Rooms

### Dynamic Positioning System (DP-2)

Maker: KONGSBERG  
Type: K-Pos DP-21 Dual redundant positioning system  
Equipped with Trunk & valve for easy future installation of  
HighPrecision Acoustic Positioning system (HIPAP, Kongsberg 501)

### FIRE FIGHTING

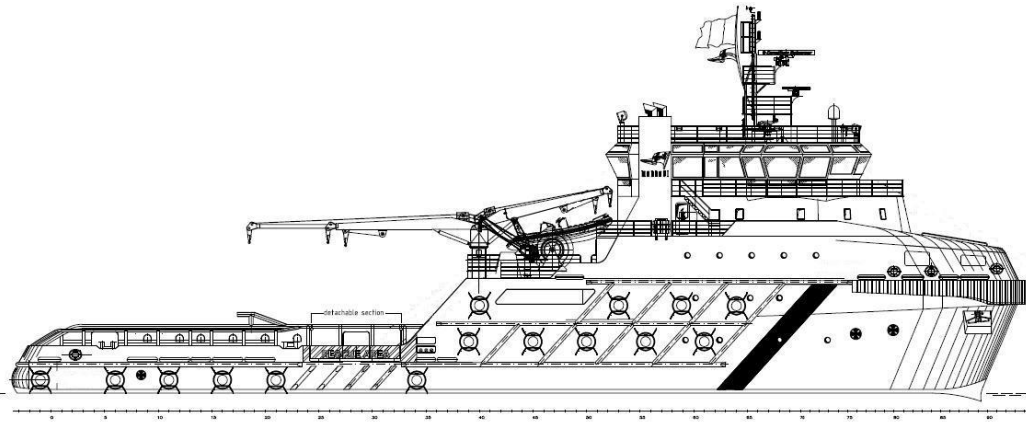
*FiFi, class I*  
The fire fighting system consists of the following main components:  
- 2 off fire-fighting centrifugal pumps FFS SNT250/550  
capacity: 1742 m<sup>3</sup>/h head: 11,8 mlc 1800 rpm / 790 Kw  
- 2 single/dual flow monitors FFS 1200/300LB  
joystick controlled from bridge  
capacity: 1200 m<sup>3</sup>/h - 10,0 bar  
throw length – capacity full : 120 m  
throw length – capacity reduced : 75 m  
- 1 foam pump DPVSF 18-100  
18 m<sup>3</sup>/h - 18,5 Kw head: 185 mlc 3420 rpm  
- 2 fog monitors for own protection type ABS  
Water spray system with standard tug nozzles  
900 m<sup>3</sup>/h at 7,6 bar

### RESCUE AND LIFESAVING EQUIPMENT

1 x Rescue Boat NORSAFE Matrix (4,50 x 1,96 x 1,75m)  
Capacity: 06 persons  
Equipped with outboard engine (20Hp)  
4 x Liferafts, capacity 20 persons/each  
2 x Search Light remotely controlled from bridge  
6 x Lifebuoys provided with strobe lights and lifelines  
1 x Hospital with 2 treatment bench, racks for stretchers,  
Desk, medicine, poison locker  
1x Dispensary with medical equipments / medicine in accordance  
with Flag's State and International requirements

This specification is subject to alteration without prior notice

# Ievoli Amaranth - Anchor Handling Tug Vessel



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