

# Topaz Arrow

60 M - 2400 BHP - DP2 - Multi-Purpose Support Vessel

Vessel Specifications

**TOPAZ**  
MARINE



# Vessel Specifications

## General

Type	Multi purpose supply vessel
Flag	Azerbaijan
Class	ABS +A1e +AMS +DPS2
Year of build	1999
Place of build	Ast. Balenciaga, Spain
Port of registry	Baku
Call sign	4JOI
IMO number	9207015
Owners	TEAM XXII Ltd

## Dimensions

Length overall	60 m
Length between perpendicular	55 m
Breadth moulded	13.3 m
Depth moulded	5 m
Draft summer / scantling	4.1 m
Deadweight	800 t
Net registered tonnage	414 t
Gross tonnage	1383 t

## Machinery

Main engines	2 x Caterpillar 3512 x 822 kw (1764 kw)
Main generators (diesel driven)	3 x Caterpillar 3412C 425 kw / 440 v / 3 ph / 60 hz
Emergency generators	1 x Caterpillar 3304NA 65 kw / 280 kw
Bow thruster	2 x Schottel STT 170LK electrically driven
Propulsion	2 x Schottel 1010STP Azimuth thrusters

## Ancillary equipment

Seawage treatment plant	Aquamar Gmbh Model Aquamar Bio Unit MSP-60
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## Deck Crane

Manufacturer	Norlift / GPS 630-4515
SWL and radius	45 t @ 6 m
Location	Starboard side main deck (Flame # 13-17)

## Performance

Maximum speed / consumption	12.5 knots
Economical speed / consumption	11 knots / 8 t per day
Consumption at 100% MCR	10.5 t per day

## Capacities

Fuel oil	535 m <sup>3</sup>
Potable water	155.5 m <sup>3</sup>
Ballast / drill water	300 m <sup>3</sup>
Deck cargo capacity	500 t max
Deck strength	5 t per m <sup>3</sup>
Clear deck area m <sup>2</sup>	350 m <sup>2</sup>
Clear deck area max L x B	28 m x 12.5 m

## Transfer rates

Fuel	25 m <sup>3</sup> per hr
Freshwater	25 m <sup>3</sup> per hr
Bilge / ballast	40-60 m <sup>3</sup> per hr
GS / fire pump	40-60 m <sup>3</sup> per hr

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## Communication and navigation equipment

GMDSS station	Area 3 Imn-C, 2 x Sailor H2095
Satcom and type	VSAT / Seatel 4009-33
SSB	Sailor / System 2000
Aero VHF	Sailor / RT 5022 / RT 2048
AIS	Mc Murdo / MT 1VDU
EPIRB	Jutron / TRON 405
Radar Transponder	2 x Sepre IESM / Rescuer
Two-way portable VHF / UHF	3 x Sailor / SP 3110
Navtex receiver	Furuno NX-500
DP system	Kongsberg K-POS21 dual redundant
DP reference systems	2 x independent DGPS + 1 XP System, 1 x HIPAP 350, 1 x MDL Fanbeam, 1 x lightweight taut wire
Radar	1 Furuno FR-2115
Radar	2 Furuno FR-2115
Gyro compass	1 x Anschultz type 22 2 x TSS Meridien
Auto pilot	Anschultz Pilotstar D
GPS receiver	Raytheon NT200D
Echo sounder	Furuno FE-881 MKII
Anemometer	2 x Kongsberg / OMC 139

## Fire fighting and anti-pollution equipment

Foam storage tank	2000 lts tank Omega, monitor and F-1000-SH Nozzle, mixer PR-15
Emergency fire pump	25 m <sup>3</sup> per hour
Locker with fireman's outfit	2
Portable FIFI applicances	46 x fire extinguishers, 19 x hoses
CO <sup>2</sup> system for engine room	Unitor engine room 8 cylinders, auxiliary engine room 6 cylinders

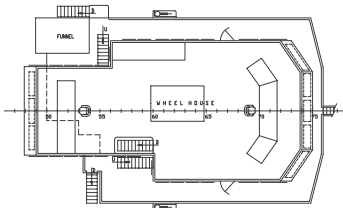
## Safety equipment

Life rafts	4 x DSB / LR97 (20 persons) 1 x RFD / Surviva MKIII (16 persons) 1 x Viking / 16DK+ (16 persons) 2 x Revere / CK-20 (20 persons), CK-12 (12 persons)
Fast rescue boat	Zodiac / RIBO 9 (9 persons)
Rescue boat davit	Servo Ship SWL 12 KN
Life buoys	8
Life jackets	68
Immersion suits	56

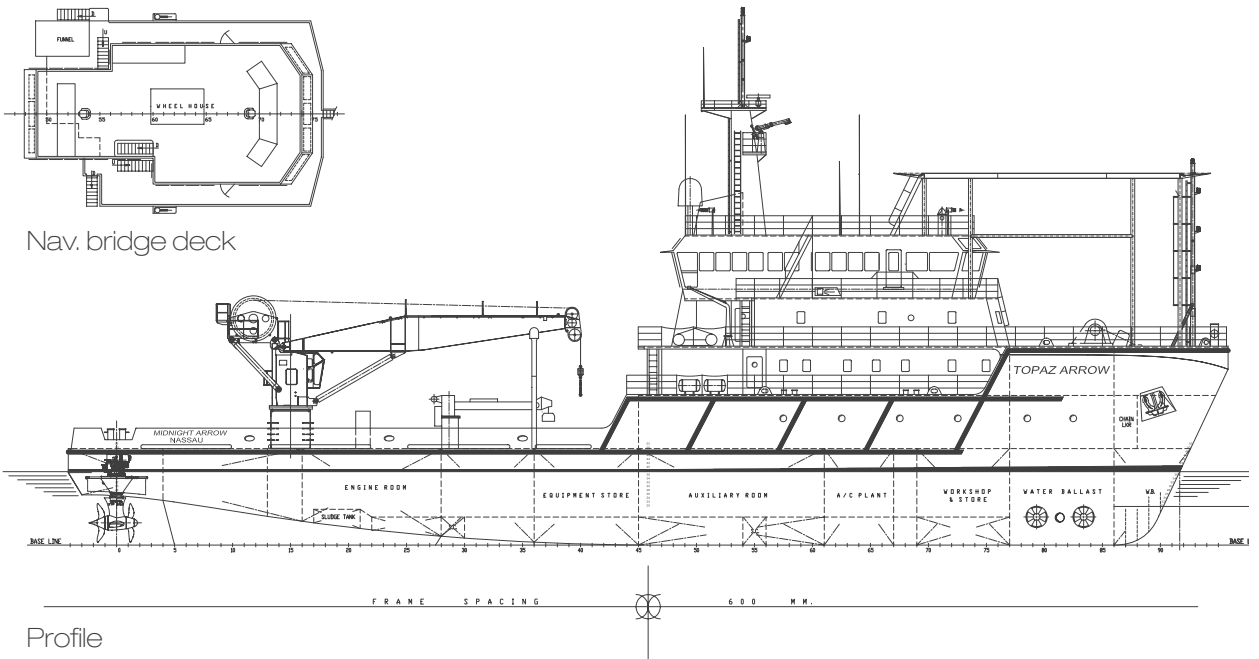
## Accommodation

Max per LSA	56
1 berth cabins	2
2 berth cabins	21
4 berth cabins	3
Sick bay / hospital	Yes

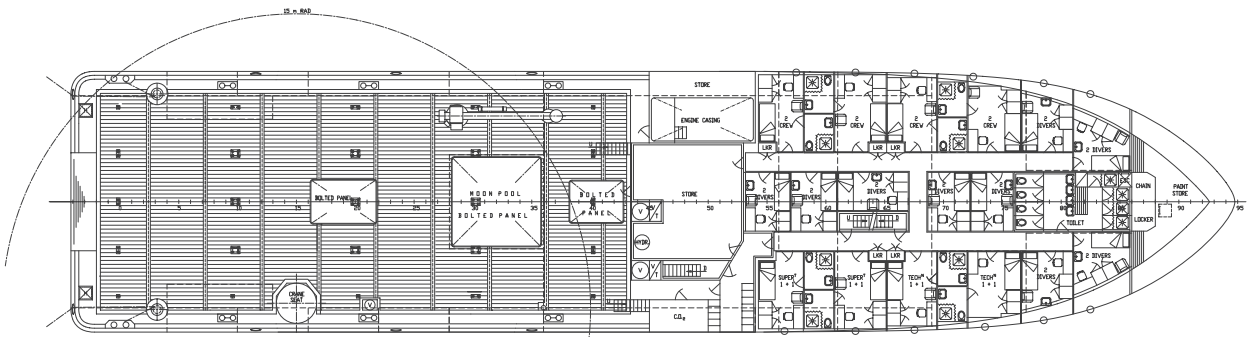
# GA Specifications



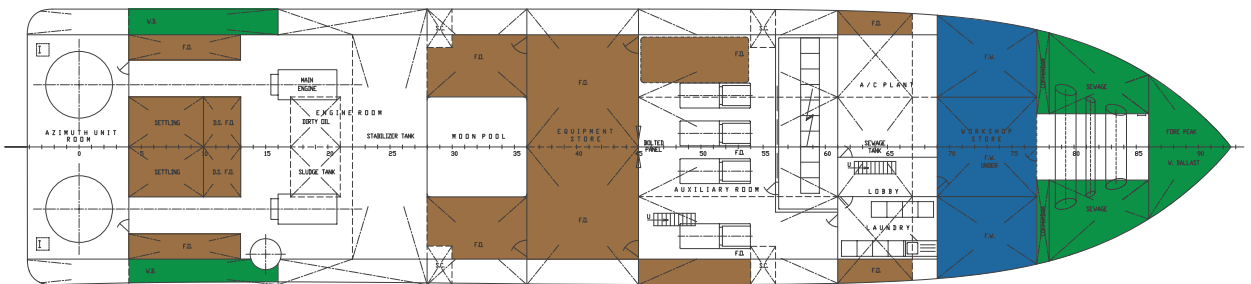
Nav. bridge deck



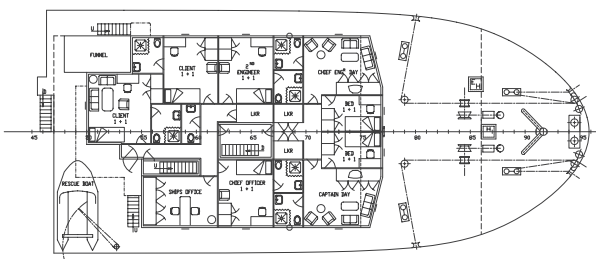
Profile



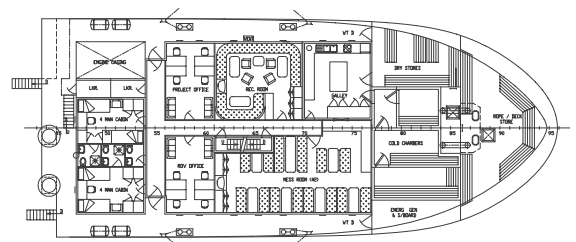
Main deck



Below deck



Forecastle deck



Upper deck

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