

Our Fleet

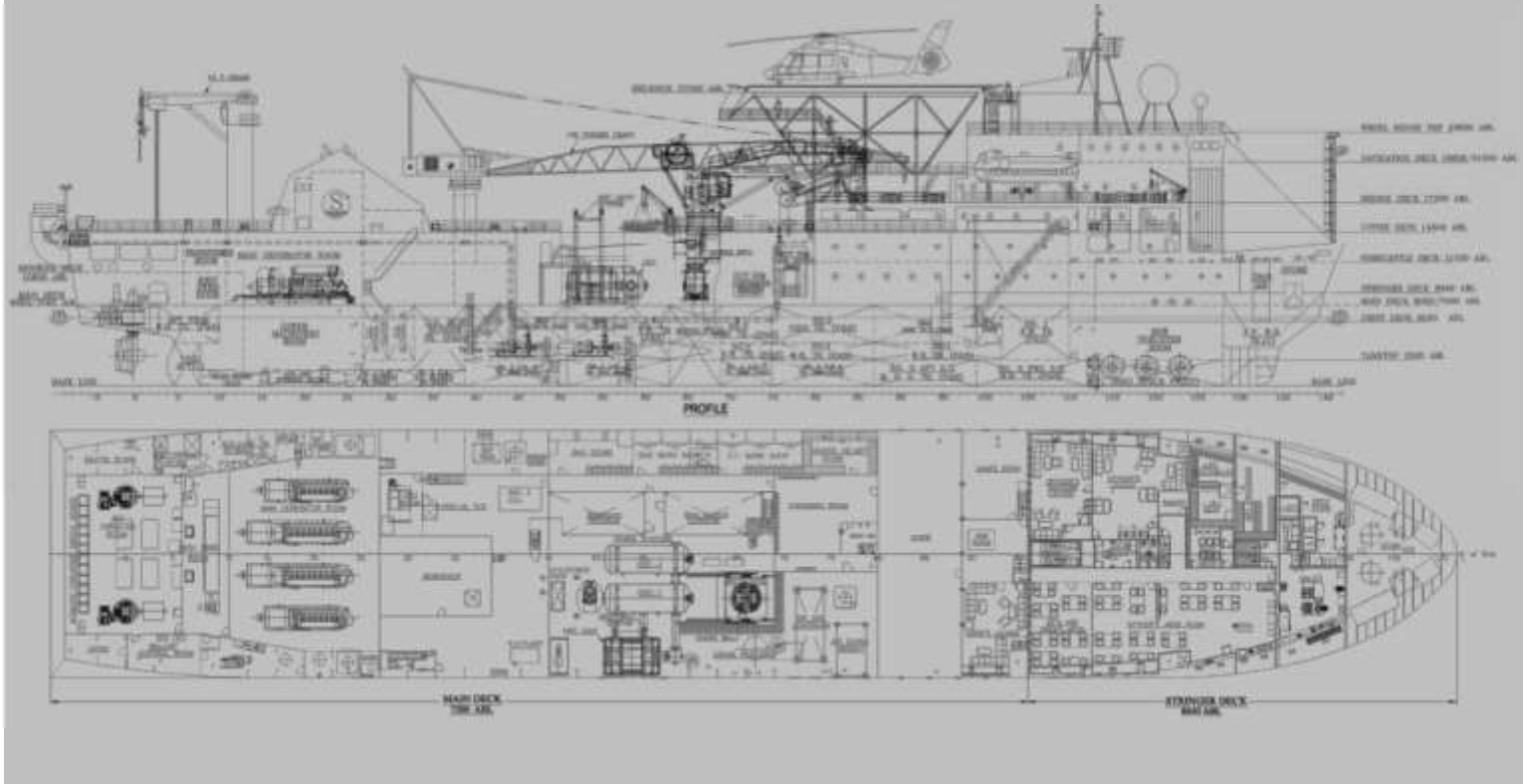
# SEAMEC PRINCESS

[ A diving support vessel



SEAMEC LIMITED

MMG™



The Seamec Princess is a dive support vessel, capable of working throughout the year in severe sea and weather conditions.

## Capabilities

Built in 1984, the vessel is designed, constructed and certified for worldwide off-shore operations. The Seamec Princess provides services, which include S.B.M maintenance removal and installations, Platform, Riser and Pipeline repairs, inspection & survey, Subsea constructions, Anode installations & deployment of ROV & Grouting operations and Hook up jobs/ commissioning.

## Diving System

12 Man Saturation diving system certified for 300 MSW. Bell handling system. Gas Mizer reclaim system. 3 Man Diving Bell with moonpool launching arrangement.. HRC with launch & recovery system on Stbd side of the vessel. Kelly Storage capacity is Gas 5,445 m<sup>3</sup>, Air 808 m<sup>3</sup>, Treatment Mix 396 m<sup>3</sup>.

## Communication

GMDSS Compliant equipments available onboard.

## Dynamic Positioning System

The vessel is fitted with a fully redundant Converteam Duplex Dynamic Positioning system. There is one (Sonardyne, Ranger PRO2 ) hydroacoustic transducer, two satellite positioning systems (DGPS), one vertical taut wire reference systems and a Laser rader system.

## Accommodation

The accommodation is fully air conditioned for a total compliment of 117 persons, comprising:  
21 x Single berth cabins  
32 x Double berth cabins  
08 x Four bed cabins  
Additional 02 bed Hospital.

## Cranage

The vessel is fitted with One 95.7 T Pedestal Crane, 95.7 T @ 7.6 M & 20T @ 30M. One 50T Knuckle Boom Crane @ 15M. One 10T man riding Pedestal Crane.

# Specifications

## Principle dimensions

Length overall.....123.4 m  
 Length Between pp.....111.84 m  
 Breadth Moulded.....21.0 m

## Operating draft

Summer draft.....6.455 m

Dead weight.....4364.62 tonnes

## Tonnage

Gross Tonnage.....8709 tonnes  
 Net Tonnage.....2613 tonnes

## Craneage

### Main lifting facilities

- 1 x 95.7 ton Pedestal Crane @ 7.6 M on Stbd side
- 1 x 50 ton Knuckle Boom Crane @ 15 M on Stbd side

### Additional lifting facilities

- 1 x 10 ton Pedestal Crane (Man Riding) on Port side @ 18 M

## Deck space

800 sq.m

Working moonpool 3.6 x 3.6 m

## Deck load

10 T/m<sup>2</sup> fwd of Fr#11  
 1 T/m<sup>2</sup> Aft of Fr#11

Max overall 1,500 T

## Capacities

- Marine diesel oil 840 m<sup>3</sup>
- Fresh water 646 m<sup>3</sup>

## DP system

Converteam Duplex system

## Reference Systems

- 1 x HPR (Sonardyne, Ranger PRO2)
- 2 x DGPS ( Fugro Seastar 8200 HP +3510LR)
- 1 x Taut wire (Converteam TW901)
- 1 x Laser Rader System (CyScan MK III)

## Environmental Regulatory

Number 99/99/98

## Power Plant

- 2 x Wartsila 8R32 (3240 kW each)
- 2 x Wartsila 6R32 (2430 kW each)

Total generated power 11,340 kW

## Propulsion

### Bow

- 3 x Ulstein (375 TV) of 1275 kW each with CPP.

### Stern

- 2 x Aquamaster US 3001 of 2400 kW each with FPP.

## Endurance

### Fuel consumption (typical)

- In port 3.5 m<sup>3</sup>
- Transit 20 m<sup>3</sup>
- DP approx 12 m<sup>3</sup>

## Fresh water making capacity

25 M<sup>3</sup> / day (RO Plant)

## Vessel speed

- Maximum speed 10 knots
- Economic Transit Speed 7 knots

## Helideck

Bell 212 or similar

## Diving system

- Depth rating 300 MSW
- No in sat 12
- No of bells 1 x 3 man
- Bell volume 5 m<sup>3</sup>
- System volume 55 m<sup>3</sup>
- Gas storage 5,445 m<sup>3</sup>
- Reclaim system connected to 3 man bell.

## Flag

Indian

## IMO No.

8302959

## Call sign

AUNJ

## Classification

DNV - +1A1 HELDK-S EO DYNPO-SAUTR  
 IRS -SUL, IY, SYJ, HELDK, DP (2)

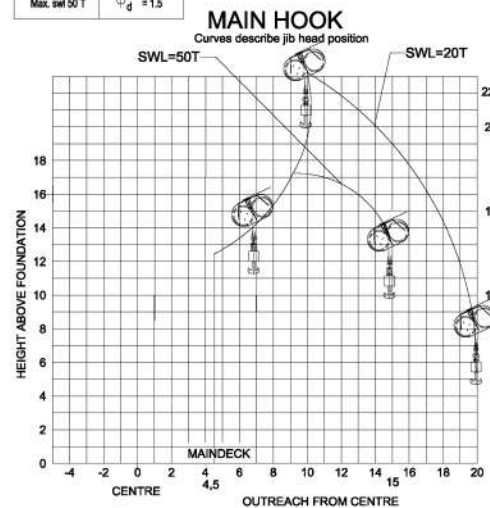
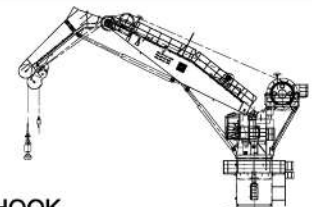
## Year built / Builder

1984 at RAUMA REPOLA OY, Finland  
 Rebuilt in 2001, Modified in 2008.

TEREX (BOOM LENGTH = 39.6 METRS.)			
RADIUS (MTRS)	BOOM ANGLE (DEG)	360 DEG.RATING (TONNES)	FROM BOOM POINT TO BOOM FOOT (MTRS)
7.6	82.3	95.70 *	39.3
8.0	81.7	90.90 *	39.2
9.0	80.2	81.20 *	39.0
10.0	78.7	72.90 *	38.9
11.0	77.3	66.00 *	38.6
12.0	75.8	60.30 *	38.4
13.0	74.3	55.50 *	38.1
14.0	72.8	51.30 *	37.8
15.0	71.2	47.30 *	37.5
16.0	69.7	44.20 *	37.2
17.0	68.1	41.40 *	36.8
18.0	66.6	38.70 *	36.4
19.0	65.0	36.30 *	35.9
20.0	63.3	34.30 *	35.4
21.0	61.7	32.30 *	34.9
22.0	60.0	30.60 *	34.3
23.0	58.3	29.10 *	33.7
24.0	56.6	27.60 *	33.1
25.0	54.8	26.30 *	32.4
26.0	53.0	25.00 *	31.7
27.0	51.2	23.90 *	30.9
28.0	49.3	22.80 *	30.0
29.0	47.3	21.80 *	29.1
30.0	45.3	20.90 *	28.2
31.0	43.2	20.00 *	27.1
32.0	41.0	19.10 *	26.0
33.0	38.7	18.40 *	24.8
34.0	36.3	17.60 *	23.5
35.0	33.7	17.00 *	22.0
36.0	31.0	16.40 *	20.4
37.0	28.0	15.70 *	18.6
38.0	24.6	15.10 *	16.5
39.0	20.8	14.60 *	14.1

LOAD CHART FOR 100 T CRANE

N.O.F	DYN
Number of fall	Dynamic mode
1	1
Max. SWL 50 T	$\psi_d = 1.5$



LOAD CHART FOR 50 T CRANE

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