

DPII FLOTEL 'ICE MAIDEN 1'



Specification Brochure

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ICE MAIDEN 1

Particulars believed to be correct but not guaranteed, and will be confirmed after conversion

Primary Details	
Vessel's Name:	Ice Maiden I (ex. Paardeberg)
Type of Vessel:	Ice (AI Super) Cargo Vessel (existing Vessel)
Type of Vessel:	Ice Class DP3 Flotel (Post Conversion)
Design:	Offshore Flotel with platform maintenance facilities
Accommodation:	399 POB in single man cabins with ensuite facilities
Flag	Cyprus
IMO Number	9056894
Class	LRS
Notation	100A1 Passenger Ship, Helicopter Landing Area, CG, PL, *IWS, Ice Class 1A Super at a draught not exceeding TBD metres, Ice class draughts TBD, Power required TBD kW, Power installed TBD kW, LMC, UMS, CCS, IFP, IP, DP (AAA), PCR (TBD)
LOA	162.08 m
LBP	153.66 m
Breadth	22.96 m
Depth	13.52 m
Draught	9.00 m
Yard built	Kherson Shipyard, Ukraine
Year built	1992 delivered
Year fully Converted	2009 (1st Quarter)
Main Engine	1 x Bryansk B & M 8DKRN60/195 main engine with CPP
Propeller	CPP

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Technical Details

Free deck area:	TBA
Workshop area:	2000m ² Air conditioned workshops including Darkroom, Clean room, Welding area, Workbenches, Machine shop, Gantry crane and stores area
Fuel Capacity:	1800m ³
Fresh Water:	1500m ³
Nav. Equipment:	Full navigational suite including ARPA radars, GMDSS radio installation and Sat. Comm. systems
Heli-deck:	Suitable for Sikorsky S61N and S92 Eurocopter AS332L/L2-Super eh 101 Puma and Eurocopter EC225 complete with helideck refuelling
Gangway:	Marine Aluminium Norway Telescopic 36m enclosed gangway complete with fire suppression system, power cabling, alarm system
Cranes:	2 x 25M telescopic (Huismann type)
Fire and Gas:	Full Fire and Gas detection system (Tyco)
Power Generation:	8 x diesel generators driving HHI alternators
Emergency Power:	1 x diesel generator 1 MW
Thrusters (Stern):	2 x 3 MW Rolls-Royce Aquamaster azimuth thrusters
Thrusters (Mid):	4 x 2MW Rolls-Royce azimuth thrusters
Thrusters (Fwd):	2 x 1.42MW Rolls-Royce tunnel thrusters.
DP System:	Converteam class 3 system, DGPS/Glonass position reference system, Sonardyne USBL position reference system, 3 x Gyro compass, 3 x Wind sensors, 3 x MRU's, full UPS redundancy
Vessel Management.:	4 x Vessel management workstations (2 x Engine Room, 2 x Bridge), alarm and monitoring system with a total I/O capability of 1200 points with an integrated power management system

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Technical Details

Power Distribution:	Main 6.6 KV switchboards in ring-main configuration, transformed to 380 for services
Ship Facilities:	Hospital and medical centre
Life Saving:	Full SOLAS and Shell specifications for redundancy in Lifeboats, Life rafts, Lifejackets, Immersion suits, 1 x Fast Rescue Craft
CCTV:	Full digital CCTV system with complete vessel coverage for safety and security, remote camera control/ interrogation / 60 day recording
Internal Network :	2 x independent LAN systems throughout vessel (client use and public use)
Water Making:	Potable Water Treatment system capable of 150 tonnes of water per day, fully redundant
Sewage Treatment:	Omnipure sewage treatment plant capable of up to 600 POB (fully redundant)
Garbage Disposal:	Compactors (for cardboard and general goods), Incinerators
Galley Facilities:	Hotel standard Galley/mess rooms to accommodate 200 persons per sitting
Refrigeration:	2 Months storage facilities for refrigerated goods
Food Storage:	2 Months storage facilities for dry and tinned foods
Laundry:	Laundry designed for a complete change of linen over a 24 hour period
Office Facilities:	Conference rooms/offices for client and ships use
Entertainment:	Personal music systems/flat screen TV's/telephone/broadband in each cabin, Cinema, Sauna, Gymnasium, Lounge Area, Karaoke Room, Quiet Reading Room, Games Area
Training:	Library& Lecture theatre
Man-tracking:	Full Vantage man-tracking direct to shore

The "Ice Maiden 1" is undergoing extensive modification to her super structure and machinery, at the end of which she will be a fully classified Ice Class DP/III Flotel capable of station keeping in the harshest of environments.

Her specifications are subject to change and those listed in this document are only as planned.

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