



An Introduction to
the
M. V. Marine Svetava



Contents

ABOUT MARINA SVETAEVA	3
General	3
Passenger Cabins	3
Suite	3
Mini Suite.....	4
Twin Private.....	4
Twin Public.....	4
Quad.....	4
Restaurants	5
PREVIOUS CHARTERS	6
VESSEL SPECIFICATIONS.....	7
ENGINE/FUEL	7
ECHO SOUNDER/SONAR	8
OILY WATER DISCHARGE/WASTE OIL.....	8
GARBAGE/INCINERATION	8
FRESH WATER	8
GREY WATER	8
BLACK WATER (SEWERAGE).....	8
BALLAST.....	9
ANTI FOULING SYSTEM.....	9
AIR POLLUTION	9
HELIDECK/HANGER	9
APPENDIX 1 - FIRE PLAN AND GENERAL ARRANGEMENT	10



ABOUT MARINA SVETAEVA

General

Named for one of Russia's most famous 20th century poets, *Marina Svetaeva* was built in 1989 in Poland's famous Gdynia shipyards. Originally an ice strengthened passenger vessel, she spent many years plying the frozen waters of the Arctic and northern Pacific Oceans on behalf of her Russian owners. She was refurbished in early 2005 to provide comfortable but accommodations for 100 passengers and 41 Russian crew. A helideck and hanger was added in 2007 to allow two (2) helicopters to be based on the ship when operating in remote regions



Impressively stable at sea, Svetaeva is a robust vessel yet still small enough to explore places beyond the reach of bigger ships.

The ship is characterised by spacious cabins and large public spaces, including the bridge and outer decks, library and bar.

A large lecture room allows provides the perfect space for passengers and crew to wind down and socialise following dinner in the well appointed dining rooms.

Passenger Cabins

Suite – 1 Cabin

This cabin has a large lounge with desk and settee making a comfortable place to relax. Additional items in the lounge include TV monitor, DVD player, fridge and tea and coffee making facilities. The separate bedroom contains a double and single bed. Private shower, washbasin and toilet are located within the cabin.



The lounge of the suite cabin

Mini Suite – 6 cabins

Slightly smaller in size than the suite, the mini suites still offer the separate lounge and bedroom cabins. The lounge has a desk and settee and is appointed with TV monitor, DVD player, fridge and tea and coffee making facilities. The bedroom has either a double bed or twin singles while the ensuite contains a shower, toilet and washbasin.



A typical mini-suite looking through to the bedroom.

Twin Private – 20 cabins

These cabins consist of two lower berths with a desk and wardrobe provided. Each cabin has an ensuite with toilet, shower and washbasin.

Twin Public – 10 Cabins

Situated directly across from the shower and toilet facilities, these cabins offer passengers two lower bunks, a desk and wardrobe for storing clothes. A washbasin is located within the cabin.

Triple Public – 4 Cabins

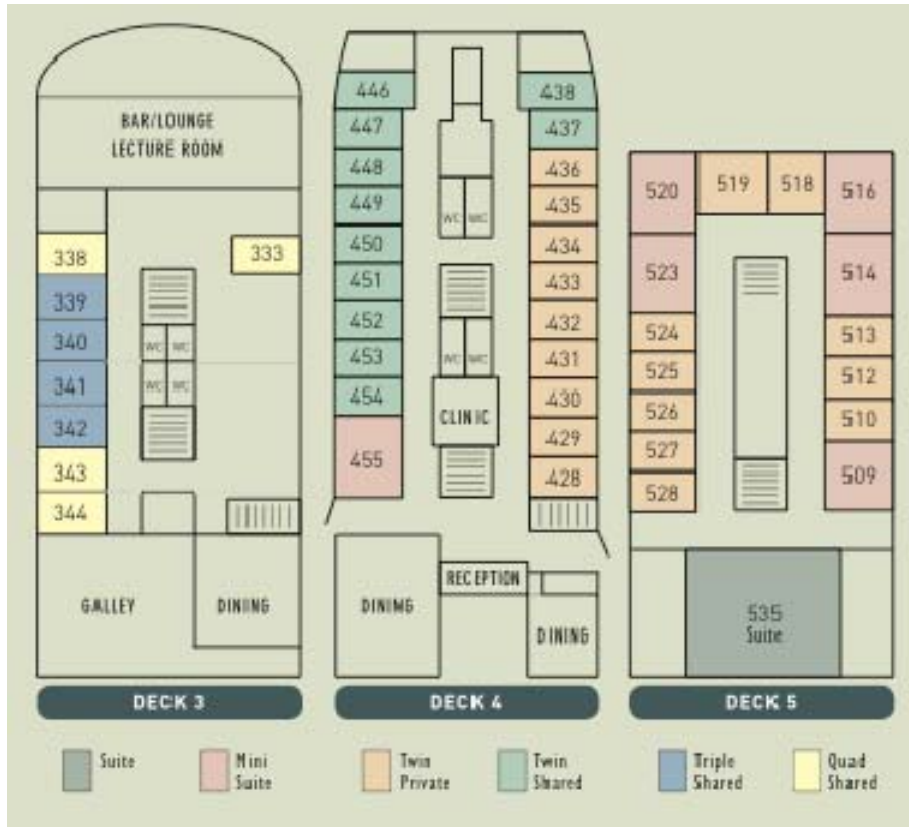
Providing two lower berths and one upper berth with toilet and shower facilities located directly outside the cabin. A washbasin is provided within the cabin, along with wardrobe and desk.

Quad – 4 cabins

Utilising the two lower and upper berths in these cabins provides an economical means of travelling. With a desk, wardrobe and basin within the cabin, shower and toilet facilities are just outside the cabin door.



A typical triple berth cabin



Restaurants

The vessel is fitted with two passenger restaurants which between them are capable of sitting the entire passenger compliment in one sitting. With the galley located on the deck below, a dumb waiter provides excellent service between the two decks.



PREVIOUS CHARTERS

Since December 2007 the Marina Svetaeva has been chartered exclusively to Aurora Expeditions, based in Sydney Australia. During this charter period the vessel has undertaken:

- * 5 voyages to the Ross Sea/Adelie Coast/Commonwealth Bay Region of Antarctic,
- * 3 voyages around the island of Papua New Guinea, and
- * 3 voyages to the Russian Far East, including a transit through the Bering Strait.



Prior to 2007, the vessel was used in the Russian Far East as a passenger vessel and supply vessel to the remote communities located in the ice bound waters of the Northern Pacific Ocean. She has also spent time operating in the Russian Pacific Ocean oil fields where she was used for accommodation of workers as well as for supply operations.

VESSEL SPECIFICATIONS

Vessel name:	Marina Svetaeva
Owner/Operator:	Penola Shipping Ltd.
Port/Country of Registry	Kholmsk/Russia
IMO Number	8509181
Call sign	UFKU
Year built	1989 / Poland
Year/s rebuilt – refurbished	December 04 and June 05
Class notation	883960 PC/ RS
Ice Class	KM (*) {1} A2 – ice strengthened
Ice Class – Lloyds Equivalent	100 1A Super

Length overall (m)	91.25m
Length pp (m)	78.45m
Breadth (m)	17.61m
Draft max (m)	5.8
Passenger capacity	133 (182 number of persons)
Crew capacity	49
Gross tonnage	4575
Net tonnage	1417
Deadweight – Normal operation (m. ton)	804
Speed – max	14.3k
Speed – normal cruising	12k
Life Boats / Rescue Boats	Two / Two
Life Rafts	Four
Damage control Equipment:	Yes
Oil Spill Containment Equipment:	Yes
Oil Spill Response Company:	Owner
Under Water Welding Facilities:	No
Diver & Equipment for Polar Waters:	No
Number of Zodiacs/Landing Craft	Eight
Emergency Medical Evaluation Response	Yes
P& I Insurance (Amount in USD)	Unlimited
Pollution Liability Insurance (Amount in USD)	3000000000 USD
Search & rescue (SAR) Insurance (Amount in USD)	
Operate in Arctic	Russian Far East
Operate in Antarctica	Yes
Member of IAATO	Yes
Member of AECO	Yes

ENGINE/FUEL

Main engine	6 ZL 40/48 (SULZER) Poland
Auxiliary Engine	2 x 640kW (Sulzer ATL25)
Boiler	VX 732B-21
Gas Oil (GO) Capacity Normal Cruising (m. ton)	no
Marine Diesel Oil (MDO) Capacity Normal Cruising (m. ton)	397
Heavy Fuel Oil (HFO) Capacity Normal Cruising (m. ton)	No
HFO Specification, Grade (IFO 380, IFO 180, IFO etc)	No
HFO Storage Tanks (Type and Locations)	No
Lubricating Oil (LO) Capacity Normal Cruising (m. ton)	23

LO Storage tanks (Type & Location)	The starboard 13-18 frame
Fuel Consumption per 24 hours – Normal Cruising (m. ton)	10
Fuel Consumption per 24 hours – Max (m. ton)	13
Fuel Consumption per 24 hours – Penetrating Ice (m. ton)	13 (Max.)

ECHO SOUNDER/SONAR

Echo Sounder 1,2,3, etc	1
Echo Sounder Type	NEL-M3b
Sonar	No
Hydrographic work	No

OILY WATER DISCHARGE/WASTE OIL

Certified Oily water Separator (OWS)	Yes Neptun-5AM
Certified OWS with 15 ppm Alarm & Automatic Shut-Off	Yes
Sludge Oil Holding Capacity (cbm)	55
Sludge Oil Holding Capacity (days)	4
Bilge Water Holding Capacity (cbm)	24.94m3
Bilge Water Holding Capacity (days)	100
IOPP Certificate	05.03021.172 Valid 26/06/2010
Approved SOPEP	Yes Date 14/12/2000 B961.3-050-001
Oil record Book	Yes

GARBAGE/INCINERATION

Waste Management Plan	Yes
Incinerator Capacity	20 kg per hour / 3.0m3
Incinerator Frequency of Use	2 hours per day
Incinerator Burning temperatures	600 deg C
Incinerator used in Antarctica	Yes

FRESH WATER

Fresh Water Capacity (cbm)	360
Fresh Water Production (cbm/24 hrs)	15
Fresh Water Consumption (cbm/24 hrs)	30

GREY WATER

Grey Water Capacity (cbm)	19.4
Grey Water Capacity (day)	15
Untreated GW discharged directly overboard (cbm/hrs)	30

BLACK WATER (SEWERAGE)

Black Water Management Plan	Yes
Certified Blackwater Treatment Plant	Stok-50AM

Blackwater Capacity (cbm)	49.8
Blackwater Capacity (hours)	36

BALLAST

Ballast Water Management Plan	Yes
Ballast Capacity (m. ton)	461 t
Ballast Amount – Normal Operation (m. ton)	225
Ballast Exchange Frequency – Normal operation (days)	On need

ANTI FOULING SYSTEM

Anti-fouling Certificate	Yes 07.51359.171 Date 14/12/2007
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AIR POLLUTION

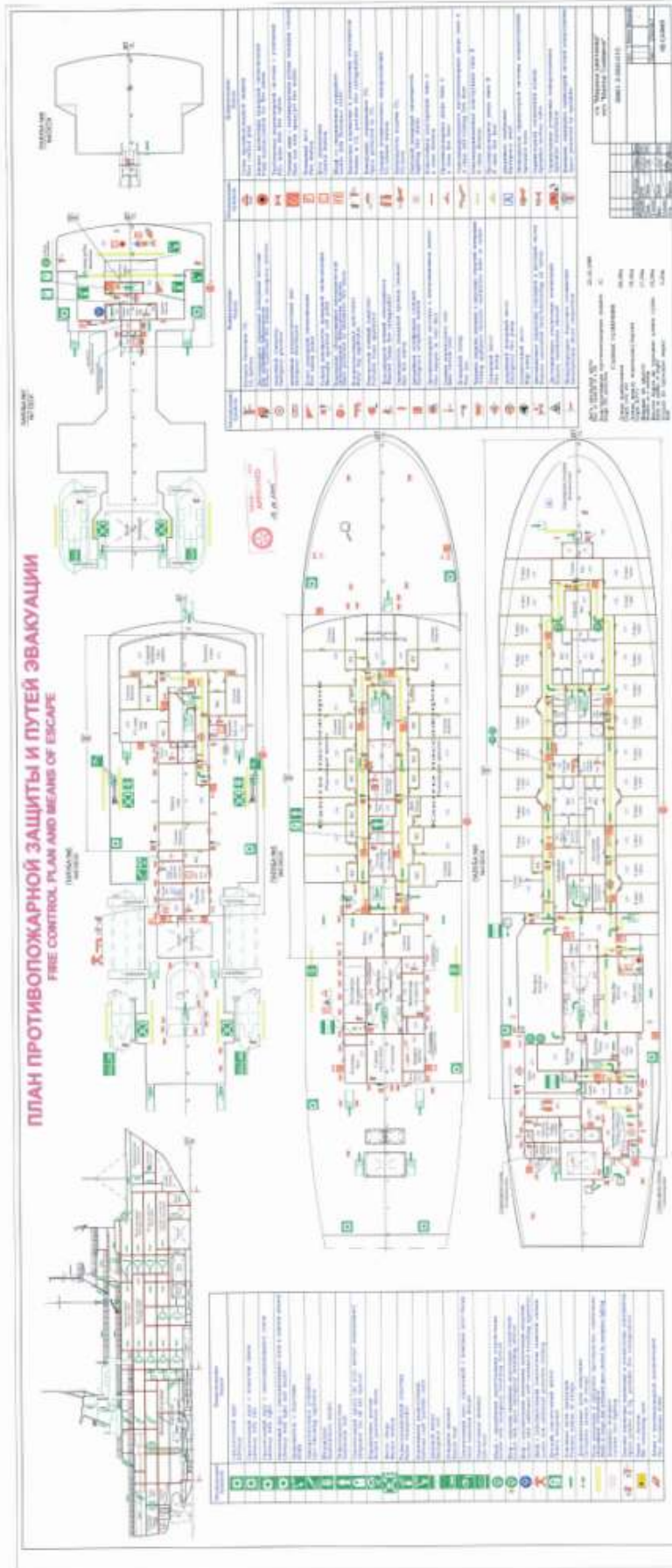
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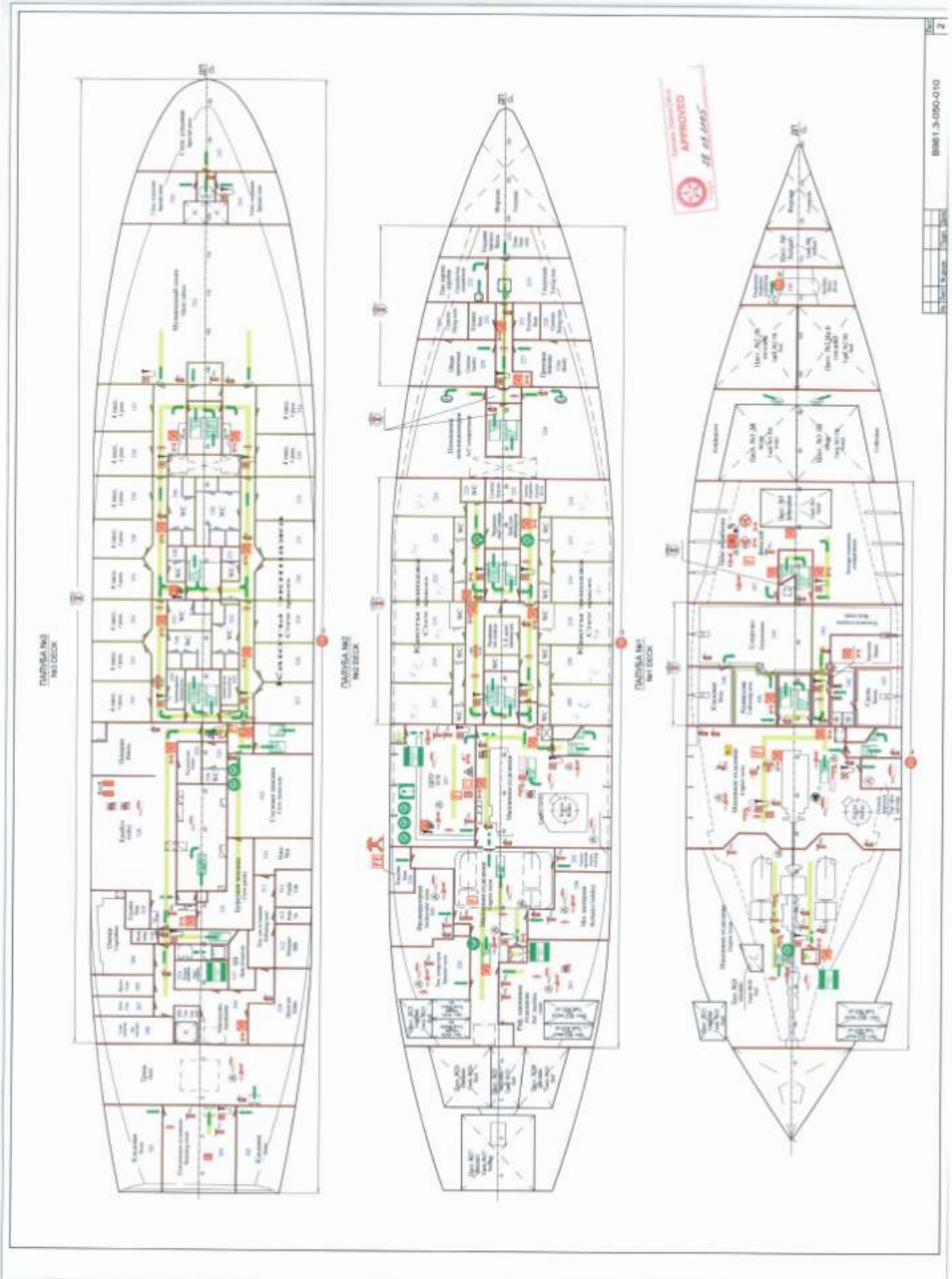
HELIDECK/HANGER

Helideck Dimensions	16.2m (wide) x 18.2 (long)
Deck – Max Landing weight	4.1T
Deck – Max take off weight	4.8T
Hanger	2 x Squirrel/Long Rangers/ME2's



APPENDIX 1 - FIRE PLAN AND GENERAL ARRANGEMENT





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