



A 145

IS THE RUSSIAN INNOVATIVE
PROJECT IN FAST
PASSENGER SEA SHIPPING

A 145

**PROJECT INTEGRATES INNOVATIVE DESIGN
AND ENGINEERING CONCEPTS
OF AIRCRAFT AND SHIPBUILDING
INDUSTRIES**



A[⚓]145

**PROJECT WAS DESIGNED
BY OOO «AGAT DESIGN BUREAU»
(SAINT-PETERSBURG)**

**CLASS: BUREAU VERITAS (BV)
I ✕ HULL HSC CAT A ✕ MACH
✕ AUT – UMS**

PASSENGER CAPACITY
150 PERSONS

CREW CAPACITY
MAX. 6 PERSONS

CRUISING RANGE
250 MILES

NAVIGATION AREA
**UP TO 100 MILES AWAY
FROM PLACE OF REFUGE**

SPEED
40 KNOTS

LENGTH OVERALL

34,6 m

BREADTH OVERALL

6,8 m

MIDSHIP DEPTH
2,5 m

DRAFT
0,70/0,91 m

FULL DISPLACEMENT
83 t



**THE SEA-KEEPING QUALITIES OF THE VESSEL
MAKE IT POSSIBLE TO USE HER
AT SEA STATE 4 WITHOUT POWER LIMITATION
AND AT SEA STATE 5 AT LOW SPEEDS.**

**WATER-JETS PRODUCED
BY PHC "ZELENODOLSK PLANT
NAMED AFTER A.M. GORKY" ARE USED
AS PROPULSORS.**



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**THERE ARE 2 MAIN ENGINES MTU 16V 2000 M72 (GERMANY)
WITH A POWER OF 1440 KW EACH**



THE CONTROL PANEL PROVIDES COMPLEX CONTROL OF THE VESSEL AND ALL HER TECHNICAL EQUIPMENT. CONTROL PARAMETERS ARE DISPLAYED ON TWO MONITORS, PERFORMING THE SAME FUNCTIONS.

THE PROVISION IS ALSO MADE FOR THE BACK-UP CONTROL CHANNEL.



**THE COMMUNICATION WITH SEA VESSELS,
AIRPLANES AND SHORE RADIO STATIONS
IS PROVIDED BY MEANS OF RADIO FACILITIES.
THE SAFETY OF NAVIGATION IS ENSURED.**



**A HIGH LEVEL OF COMFORT IS PROVIDED
FOR PASSENGERS AND CREW MEMBERS
ON BOARD THE VESSEL:**

- COMFORTABLE ARMCHAIRS WITH FOLDING TABLES
FOR PASSENGERS



**A HIGH LEVEL OF COMFORT IS PROVIDED
FOR PASSENGERS AND CREW MEMBERS
ON BOARD THE VESSEL:**

- LUGGAGE LOCKERS ABOVE ARMCHAIRS



**A HIGH LEVEL OF COMFORT IS PROVIDED
FOR PASSENGERS AND CREW MEMBERS
ON BOARD THE VESSEL:**

- LUGGAGE SHELVES IN THE MIDDLE AND AFT PARTS OF THE PASSENGER COMPARTMENT



**A HIGH LEVEL OF COMFORT IS PROVIDED
FOR PASSENGERS AND CREW MEMBERS
ON BOARD THE VESSEL:**

- BAR-COUNTER



**A HIGH LEVEL OF COMFORT IS PROVIDED
FOR PASSENGERS AND CREW MEMBERS
ON BOARD THE VESSEL:**

- TELE-VIDEO-AUDIO EQUIPMENT



**A HIGH LEVEL OF COMFORT IS PROVIDED
FOR PASSENGERS AND CREW MEMBERS
ON BOARD THE VESSEL:**

- **ERGONOMICALLY DESIGNED NAVIGATORS' SEATS**



**A HIGH LEVEL OF COMFORT IS PROVIDED
FOR PASSENGERS AND CREW MEMBERS
ON BOARD THE VESSEL:**

- CREW RECREATION ROOM



**THANKS TO CONTROLLABLE INTERCEPTORS PEOPLE VULNERABLE
TO SEA-SICKNESS CAN HAVE A PLEASANT VOYAGE**

**EMBARKATION AND DEBARKATION
OF PASSENGERS ARE ACCOMPLISHED
THROUGH STARBOARD AND PORTSIDE
DOORS IN THE AFT AND MID-SHIP**





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THE HULL IS MADE OF ALUMINUM-MAGNESIUM ALLOY 1561

VESSELS OF A145 PROJECT ARE BUILT
BY PHC "ZELENODOLSK PLANT NAMED AFTER A.M. GORKY"



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PHC «ZELENODOLSK PLANT NAMED AFTER A.M. GORKY» IS A LEADER IN IMPLEMENTATION OF ADVANCED TECHNOLOGIES IN CONSTRUCTION OF VESSELS OF LIGHT ALLOYS.

SINCE 1961 THE YARD HAS LAUNCHED MORE THAN 400 FAST PASSENGER VESSELS AND SHIPS OF LIGHT ALLOYS.

A large, white, aerodynamic high-speed passenger vessel is shown in the process of being built inside a massive industrial shipyard. The vessel's hull is partially covered in scaffolding, and a worker in a hard hat is visible on a platform near the side. The shipyard's interior is filled with structural steel beams and various construction equipment. The overall scene is dimly lit, with a blue tint, emphasizing the industrial environment.

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**TODAY PHC «ZELENODOLSK PLANT NAMED AFTER A.M. GORKY»
IS THE ONLY SHIPYARD IN RUSSIA, WHERE FAST PASSENGER VESSELS
ARE PRODUCED SERIALY**