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Тема: Промышленность, МВМС

"Pella" told about new projects of arctic vessels

On the 7th International Maritime Defense Show Leningrad Shipyard "Pella" presented totally new projects: patrol boat of the arctic class and icebreaker "Tundra". The company representative shared the details.

"The projects have been worked out upon our initiative. It's our tradition: at first we offer our production by ourselves, then we concern about the response of the customer", - the representative told the publisher. The vessel is under construction almost till the end, then appears the customer, who signs the contract, makes some amendments to the project and finally receives the ready-made product.



Patrol vessel of the arctic class, "Pella"
FlotProm

It's not a coincidence that "Pella" began working out the special arctic vessels. "There is a real need in renewal of the fleet, exploring the strategically important Arctic region as a potential base of natural resources" – explained the company representative.

One of the most significant features of the patrol vessel of the arctic class is its flexibility. It can be reconstructed as deemed necessary. "We suggested the customer the idea of universal vessel which can be "reassembled". The idea sparked a huge interest at the market" – added the representative.

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Patrol vessel of the arctic class, "Pella"
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The patrol vessel is intended for monitoring the arctic water area, escorting, towing, rescuing the vessels, fire extinguishing and cargo transportation. The vessel's deadweight is 6800 t, length – 114 m, width - 18 m, draft - 6 m, speed - 18 knots, endurance - 60 days, cruising endurance – about 6000 miles. Maximum icebreaking capability - 1,5 m, at continuous speed - 1 m.



Icebreaker of project "Tundra" , "Pella"
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If the patrol vessel was designed in cooperation with Krylov State Research Center, then the icebreaker was totally worked out by "Pella". "From top to bottom the icebreaker is the idea of our shipyard" – mentioned the representative.

The key advantages of the project are: high maneuverability, due to the azimuth thrusters, high automation of control, wide function spectrum, low noise and vibration. Along with the icebreaker can operate in critical ice conditions.



Icebreaker of project "Tundra" , "Pella"
FlotProm

"Tundra" is intended for icebreaker support, towing, escorting and supporting the vessels, rescue operations, oil spill containment, cargo transportation, etc.

The icebreaker is 93 m length, 22 m – width, 8m – draft, 15 knots – speed, food endurance – 60 days, sea endurance - 6000 miles. Maximum icebreaking capability of "Tundra" – 2 m, at continuous speed – 1,5 m. Propulsion unit includes 2 full rotatable azimuth thruster type Azipod and ducted thruster.