

The Production of Icebreaking Multipurpose Emergency and Rescue Vessel Was Started – the Vessel Will Operate in the Gulf of Finland

The production of multipurpose emergency and rescue vessel for Russian Ministry of Transport was started at Yantar Shipyard in Kaliningrad, Russia 24 April 2012. The vessel will be delivered in December 2013.

Arctech Helsinki Shipyard is building the vessel in co-operation with Shipyard Yantar JSC, which is one of the shipyards belonging to United Shipbuilding Corporation, the Russian part owner of Arctech. The hull of the vessel is built by Shipyard Yantar and the outfitting and finalizing will be done by Arctech in Helsinki.

The vessel will be used in the Gulf of Finland in icebreaking operations, sea towing of vessels and floating facilities and oil combatting. The vessel measures 76,4 m in length and 20,5 m in breadth. The three main diesel generator sets have the total power of 9 MW. The total propulsion power is about 7 MW.

The multipurpose emergency and rescue icebreaker represents a completely new type of oil spill combat technology. The advanced oil recovery system is suitable for operation also in heavy waves. The design of the vessel is based on ARC 100 concept, which has been developed by Aker Arctic Technology for Arctech Helsinki Shipyard. The vessel features a patented oblique design with asymmetric hull and three azimuthing propulsors, which allow the vessel to operate efficiently ahead, astern and obliquely (sideways). The vessel can proceed on a continuous mode in 1.0 m thick level ice both ahead and astern, and in oblique mode she will be able to generate 50 m wide channel in 0.6 m level ice.

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Pictures: www.arctech.fi/media (Rescue vessel)

Arctech Helsinki Shipyard Inc. specializes in arctic shipbuilding technology, e.g. building icebreakers and other Arctic offshore and special vessels. Arctech is a joint-venture, which is 50/50 owned by STX Finland Oy and United Shipbuilding Corporation. The joint venture agreement was signed in December 2010. Arctech is located in Helsinki and has approximately 400 employees.

Shipyard Yantar is a midsized Russian shipyard, located in Kaliningrad. The shipyard is capable of building ships up to 15 000 t. of displacement. The yard was established in 1945 based on former Schichau werf facilities, and has built more than 150 naval ships and 100 civil vessels. Yantar belongs to United Shipbuilding Corporation. www.shipyard-yantar.ru