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DIESEL & GAS TURBINE WORLDWIDE

The Marine & Stationary Power Authority

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by Mike Mercer

IZAR Agreement With Australian Navy

IZAR has signed an agreement to develop the project of a strategic projection ship for the Australian Navy. The first phase of the contract includes the feasibility study which is to be completed in six months. At the conclusion of this phase, if IZAR is selected as the best option, it would begin to negotiate new contracts, as the project requires two more phases: the functional project and the detail and constructive project. These agreements would include an important technology transfer and technical



The IZAR vessel will be a mix of an aircraft carrier and amphibious vessel.

assistance during the construction.

The ship's concept is a mix of aircraft carrier and an amphibious vessel and consists of an amphibious platform with an on-board aircraft capacity. The ship's helicopter capabilities are also suited for rescue and disaster relief operations. ♣

US\$80 Million Marine Contracts for ABB

ABB has announced that it signed contracts worth some US\$80 million to supply its Azipod propulsion, electrical power and automation systems for five new marine vessels. Royal Caribbean's second Ultra Voyager vessel will be built at Kvaerner Masa yards in Finland, with delivery set for spring 2007. ABB will supply three, 14 MW Azipod units, one fixed and two maneuverable at the stern. In addition, ABB will provide a marine power plant consisting of six main generators, main switchboard, four bow thruster motors and 18 transformers.

In addition, two train ferries for delivery to Sinorail Bohai Train Ferry will be built at Tianjin Xingang shipyard in China, and are said to be the first such vessels to operate in Bohai Bay. ABB will supply a medium-voltage power plant with four generators and compact Azipod units rated at 4 MW each. The ferries are scheduled for delivery in June and December 2006. An Arctic container vessel for Russia's Norilsk Nickel will be built by Kvaerner Masayards to carry minerals on the northern sea route to Murmansk.

Designed to Russian Maritime Register ice class LU7, the vessel will be equipped with one, 13 MW Azipod unit, ABB medium-voltage power generation and distribution systems. Delivery is sched-

Volvo Penta Diesels for New Yacht

The Nikolaev-based Ukrainian shipyard Liman has begun construction of a 47 m luxury motor yacht. The new yacht project has a working name of "Ob 47." Ob is the river in Siberia where the new yacht will operate and 47 refers to its overall length. The vessel, recently christened *Severina*, will have a draft of 1.7 m and displace 405 tons. It was designed by Nikolaev-based yacht design and engineering company, ProLINE. The propulsion plant consists of two Volvo Penta D34A MT diesels rated 776 kW each turning five blade fixed pitch propellers via Twin Disc MG-6557-00-SC gearboxes. This propulsion system configuration will provide a maximum speed of 15 knots. For power supply,

uled for early 2006. Also, a new cruise vessel for Carnival Corporation will be equipped with two 17.6 MW Azipod units and medium-voltage power systems. The vessel will be built by Fincantieri shipyard in Italy. ♣

Indian Coast Guard Selects Rolls-Royce

ABG Shipyard, the largest private yard in India, has selected Rolls-Royce to design and provide equipment for three Indian Coast Guard ships designed to prepare the country for potential environmental crises — particularly oil spills. Each ship will feature a range of Rolls-Royce propulsion, steering and motion control equipment including: two Bergen B32 diesel engines, two Kamewa Ulstein propeller plants, an Ulstein Aquamaster thruster, Tenfjord steering gear, an Ulstein rudder, Rauma Brattvaag deck machinery, Ulstein automation system and switchboards and Interling anti-roll stabilization.

The vessels, each 94 m in length and weighing 3300 tonnes, will be built at the ABG Shipyard in Surat, India, under a US\$91 million contract with the Coast Guard. The first vessel is to be delivered in 2006. The contract from ABG is worth US\$25 million to Rolls-Royce. ♣



An artist rendering of the new luxury mega yacht, *Severina*.

the vessel will be equipped with two Stamford UCM274E generators, rated power 86 kW, driven by Volvo Penta D5AT diesel engines. Volvo Penta will supply all the diesels and propeller drive shafts. The vessel will be built on the class of the Russian Register of shipping and will have a reinforced sleet-proof hull for sailing in the Arctic Ocean and other waters where there is drift ice. ♣