



Propulsion for Incat catamaran

LARGEST HIGH-SPEED CREW TRANSPORT VESSEL IS POWERED BY SERIES 4000 ENGINES

Who Caspian Marine Services Ltd.
What 16-cylinder Series 4000 units
Where Baku, Azerbaijan

The *Muslim Magomayev* catamaran is the world's biggest high-speed crew boat and is powered by four Series 4000 engines from Rolls-Royce. In service in the Caspian Sea, its job is to carry crew and freight up to the offshore platforms operated by Caspian Marine Service Ltd.



A Rolls-Royce
solution

Baku, Azerbaijan – 70 m long, the *Muslim Magomayev* catamaran is the biggest and fastest crew boat used in the oil and gas industry. It is powered by four MTU 16V Series 4000 M73L engines, each delivering 2,880 kW, that enable the vessel to reach speeds up to 40 knots (ca. 74 km/h). “That’s a pretty amazing speed for a catamaran of this size being used in this application,” said Matthew Reaume, project leader at Rolls-Royce.

The *Muslim Magomayev* was built by Australian shipyard Incat Tasmania and completed at the end of September 2014, when it set sail in Tasmania, destined for the Shah Deniz gasfield via India, the Red Sea and the Bosphorus. The Shah Deniz gas field is Azerbaijan’s biggest gas field in the Caspian Sea with gas deposits at depths as low as 50 to 600 meters below sea level. This is where the vessel will be deployed to transport crews and freight up to the drilling platforms of Caspian Marine Service Ltd., based in Baku. “Gas used to be extracted in the shallower waters around Azerbaijan, but now you have to go further and further out to sea,” explained Matthew Reaume. “That’s why gas producers are increasingly relying on ships for transport to and from their drilling rigs,” he said.

For dynamic positioning in heavy seas, the *Muslim Magomayev* incorporates special technology with access platform and gangway and has been built to withstand wind speeds up to 74 km/h and wave

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Project leader at Rolls-Royce

heights up to 3 m. Its specially designed hull also provides optimum travel comfort in high sea states. Able to accommodate 150 passengers and a14-strong crew, the *Muslim Magomayev* also has the carrying capacity for up to 200 tons of freight.



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Engine installation at Incat Tasmania’s Australian shipyard: the transport vessel is powered by four MTU 16V Series 4000 M73L units.