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News Release

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FVF *CHENEGA* SUCCESSFULLY COMPLETES SEA TRIALS WITH NEW MTU ENGINES FROM ROLLS-ROYCE

- *Alaska Marine Highway System's fast vehicle ferry completes two-day test of new MTU Series 4000 engines in Seattle*

NOVI, MICH., U.S.A. – Over the past several months, FVF *Chenega*, a high-speed car ferry in the Alaska Marine Highway System (AMHS) fleet, was repowered with four new MTU Series 4000 engines. In April, the project was completed with two days of successful sea trials in Seattle.

The MTU brand is part of Rolls-Royce Power Systems within the Land & Sea division of Rolls-Royce.

Engineers from MTU America Inc., a Rolls-Royce Power Systems company, along with members of the *Chenega's* crew and other AMHS representatives ran the ship through a series of extensive performance and endurance tests on Puget Sound. The results of the tests were positive, according to the crew and the engineering team.

"The engines performed perfectly, as we expected due to the extensive system testing conducted by the MTU, Foss, and AMHS teams during the construction phase of the project," said Andrew Packer, senior manager, Marine Application Engineering, MTU America. "We were able to constantly monitor the performance of each engine as it responded to the FVF *Chenega*'s control system during sea trials. The success of this project would not have been possible without the team at Foss, our distributor Pacific Power Group, and all of our partners who helped us along the way."

"The State of Alaska is pleased to see the repower of the *Chenega* complete and on time," said Mike Neussl, Alaska Department of Transportation and Public Facilities Deputy Commissioner. "The new engines will help the vessel provide safe and reliable service to Alaska's residents and visitors for many more years."

The repower project was performed at Foss Seattle Shipyard. Engineers from MTU America with support from Pacific Power Group managed the installation and testing of the four new 20V 4000 M73L diesel engines, which produce 3,600 kW (4830 bhp) each. Combined with Rolls-Royce water jets, the 235 ft. (72 m) long ship is capable of speeds up to 40 knots while carrying 250 people and 40 vehicles.

Last year, a similar project was completed aboard the FVF *Fairweather*, the sister vessel of the FVF *Chenega* in the AMHS fleet.

For information about the AMHS ferry service schedule, visit http://www.dot.state.ak.us/amhs/.

Seen here on Puget Sound, earlier this month, the FVF Chenega recently completed extensive sea trials after being repowered with four new MTU 4000 M73 L engines.

Press photos are available for download from www.mtu-online.com/mtu/press

About Rolls-Royce Holdings plc

1. Rolls-Royce's vision is to create better power for a changing world via two main business divisions, Aerospace and Land & Sea. These business divisions address markets with two strong technology platforms, gas turbines and reciprocating engines. Aerospace comprises Civil Aerospace and Defence Aerospace. Land & Sea comprises Marine, Nuclear and Power Systems.

2. Rolls-Royce Power Systems is headquartered in Friedrichshafen in southern Germany and employs around 11,000 people. The product portfolio includes MTU-brand high-speed engines and propulsion systems for ships, power generation, heavy land, rail and defense vehicles and for the oil and gas industry. Under the MTU Onsite Energy brand, the company markets diesel gensets for emergency, base load and peak load applications as well as cogeneration plants using gas engines for the combined generation of heat and power. Bergen medium-speed engines power ships and power generation applications. L'Orange completes the portfolio with fuel injection systems for large engines.

3. Rolls-Royce has customers in more than 120 countries, comprising more than 380 airlines and leasing customers, 160 armed forces, 4,000 marine customers including 70 navies, and more than 5,000 power and nuclear customers.

4. Our business is focused on the 4Cs:
    - Customer – placing the customer at the heart of our business
    - Concentration – deciding where to grow and where not to
    - Cost – continually looking to increase efficiency
    - Cash – improving financial performance.

5. Annual underlying revenue was $22.6 billion in 2014, around half of which came from the provision of aftermarket services. The firm and announced order book stood at $114.4 billion at the end of 2014.

6. In 2014, Rolls-Royce invested $1.9 billion on research and development. We also support a global network of 31 University Technology Centres, which position Rolls-Royce engineers at the forefront of scientific research.

7. Rolls-Royce employs over 54,000 people in more than 50 countries. Over 15,500 of these are engineers.

8. The Group has a strong commitment to apprentice and graduate recruitment and to further developing employee skills. In 2014 we employed 354 graduates and 357 apprentices through our worldwide training programs. Globally we have over 1,000 Rolls-Royce STEM ambassadors who are actively involved in education programs and activities; we have set ourselves a target to reach 6 million people through our STEM outreach activities by 2020.

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