

Rolls-Royce awarded second contract to supply *mtu* generator sets for U.S. Navy frigate program



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mtu Series 4000 marine gensets to be manufactured in the US; adding facility upgrades, additional jobs at two production locations

Seamless transfer of state-of-the-art naval genset technology from Germany to US

The Power Systems division of Rolls-Royce (LSE:RR., ADR:RYCEY) has been selected to supply a further four of its mtu naval generator sets for the USS Congress (FFG-63), the second ship in the U.S. Navy's Constellation Class Guided-Missile Frigate program, previously known as the FFG(X) program. Rolls-Royce has made significant investment at its production facilities in Aiken, S.C. and Mankato, Minn. to support the program and manufacture the gensets in the US.

Rolls-Royce is currently supplying mtu gensets for the lead ship in the Constellation Class program, the USS Constellation (FFG 62), relying on its established team in Friedrichshafen, Germany, to fulfil the project. For the second ship, the FFG-63, the company has successfully transferred advanced technology and detailed manufacturing processes to the US,

investing in new facility improvements and creating new jobs to enhance its Aiken and Mankato plants. This investment will not only accommodate the specific needs of the FFG(X) program but also support future potential US naval business. Among the significant investments made at the facilities are new assembly tooling and material handling equipment, upgraded hoist systems, adapted test cells and building expansion, in addition to the creation of up to 20 new jobs.

Adam Wood, Managing Director, Rolls-Royce Solutions America, said: "We're not only proud to continue our support of our partners in the U.S. Navy but are also thrilled to bring the manufacturing of our mtu naval gensets to the US. Working with our colleagues in Germany for a seamless technology transfer to our Aiken and Mankato facilities has strengthened our ability to meet the high expectations of this project and better position us to compete for future government programs."

The USS Congress (FFG-63) is a multi-mission warship designed for operation in littoral and blue water environments to conduct air, anti-submarine, surface and electronic warfare, in addition to information operations. The four generator sets, each rated at 3000 kWe, are based on the proven and most power-dense mtu 20V 4000 M53B engine and will provide a total power output of 12 MW for propulsion and on-board power supply.

Fincantieri Marinette Marine (FMM) of Marinette, Wisc. was awarded the build contract for the project. The completed vessel will be powered by a combined diesel-electric and gas turbine, allowing for energy-efficient diesel power generation for propulsion at normal cruising speeds with extended range,

while enhancing anti-submarine capability in its extremely quiet diesel-electric configuration. When completed, the ship will be nearly 500 feet in length, accommodate up to 200 crew and be capable of speeds in excess of 26 knots, with a range of 6,000 nautical miles at 16 knots.

Imagery is available for download from: [Media Center \(mtu-solutions.com\)](http://Media.Center.mtu-solutions.com)