SEA MACHINES

PRESS RELEASE
FOR IMMEDIATE RELEASE

Contact: Phil Bourque
sales@sea-machines.com
+1-617-455-6266
www.sea-machines.com

Sea Machines Launches 1st Autonomy Product for the Marine Market

Industrial-Grade Autonomy for Increased Productivity & Safety of Workboat Operations

September 12, 2017 - Sea Machines Robotics today announced the release of the company's first product, an Autonomous Control System for commercial marine vessels, the ***Sea Machines 300***.

The ***Sea Machines 300*** is the world's first industrial-grade control system that is standardized for work boats. The technology provides an immediate upgrade in vessel operations by enabling remote and autonomous control of conventional boats. The Sea Machines system moves the marine sector into a new era of control by enabling:

Direct Remote Command, which is remote joystick control of a boat with a 1-kilometer range. Giving an operator the flexibility of not being confined to a vessel during operations; boosting productivity and safety of many traditional marine tasks.

Autonomous Command, is Sea Machines computer control which pilots a boat in preplanned or routine long duration missions with real-time self-awareness to keep the vessel on plan, on course, away from obstacles, while giving increased capability, predictability, amplified safety, and operator peace of mind.

Sea Machines is going to market by offering the ***Sea Machines 300*** system to offshore and near shore vessel operators, boat builders and a network of retrofit partners.

"The Sea Machines 300 opens a new world of on-water operations providing multi-fold increases in workboat safety, efficiency, and productivity. Sea Machines technology gives companies the ability to get ahead of the marine technology curve", said Sea Machines CEO Michael G. Johnson. "We are making autonomous & remote command a standardized product that soon will be as commonly deployed as radar or chart plotter systems."

The ***Sea Machines 300*** is built on marine industrial Siemens components and computers. It interfaces with vessel instruments and systems and is ready to integrate with an array of propulsion configurations. The system takes data from typical navigation sensors for real-time awareness and perception, including DGPS, AIS, and radar. All autonomy system components are mounted in a marine IP67-rated electrical enclosure.

The system is supplied with a user interface, called Sea Machines TALOS, which provides computer controlled autonomy options, or direct joystick control. TALOS can also control multiple vessels from a single station. In autonomy mode, the user can select from programmable commands such as: planned waypoint tracking/grids, collaborative navigation with other vessels, all while incorporating multi-objective decision making. The ***Sea Machines 300*** features embedded collision avoidance algorithms and abides by parts of IMO's COLREGs navigation rules.

SEA MACHINES

The ***Sea Machines 300*** provides a new realm of vessel operations, allowing an on-board crew to focus on other operations like back-deck tasks, or the system now unlocks the ability to operate a vessel in minimally-manned or unmanned configurations. An operator can now command a boat from a remote location with the visibility of vessel-born video and radar feed and gives the ability to remotely control onboard payloads such as survey sonars, winches, cranes, and davits. The ***Sea Machines 300*** provides an immediate upgrade to traditional workboat tasks such as bathymetric surveying, seismic support, spill operations, dredging, aquaculture, surveillance, area marking, and escort.

The release of the product follows 18 months of inshore and offshore testing activities. Additionally, the Sea Machines system has been deployed by pilot customers using this technology to move their conventional operations into the 21st century of advanced control.

Retail price of the ***Sea Machines 300*** system is $98,500 and is available for order.

Sea Machines Robotics, founded in Boston in 2014, is a growing venture-backed company that is fully focused on 21st century innovation for the marine and maritime sectors.

Further information is at www.sea-machines.com and Twitter @SeaMachines.

# # #