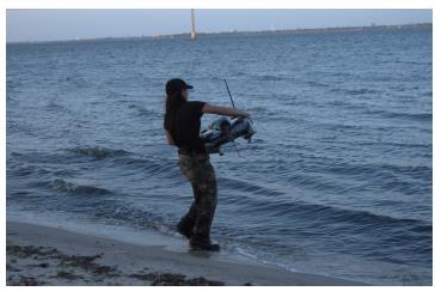
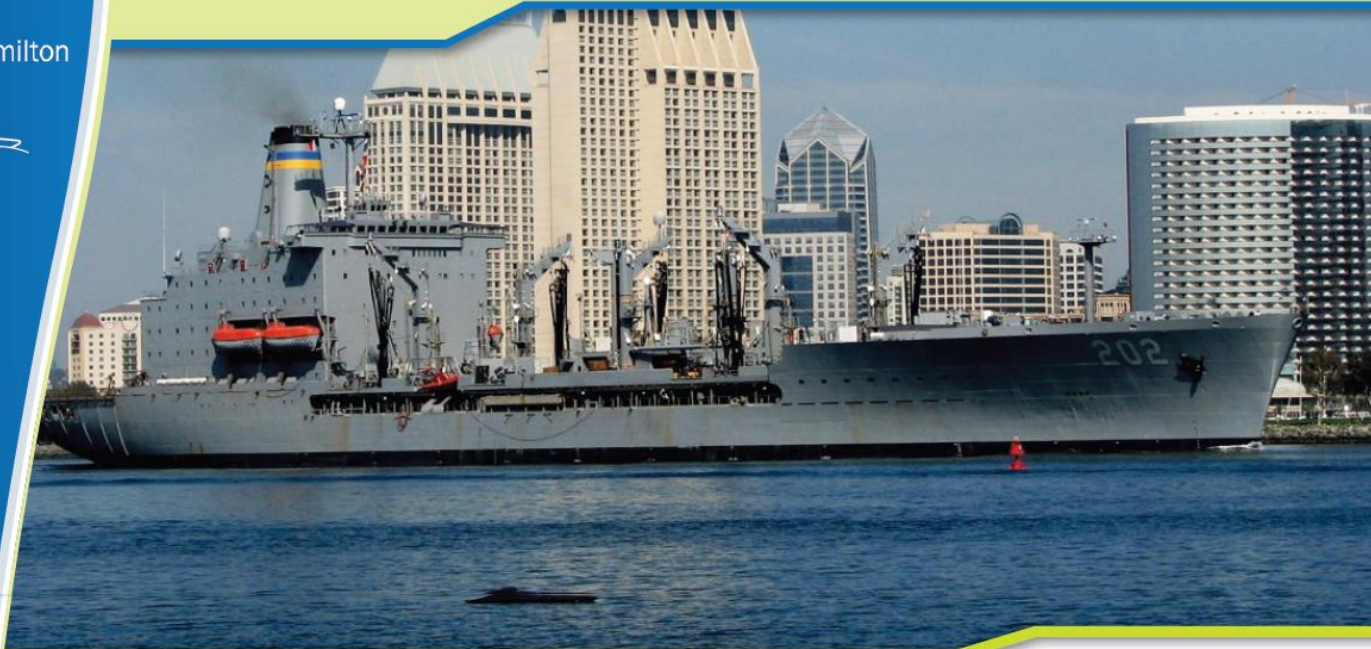




MAN-portable Tactical Autonomous System (MANTAS)

MANTAS™ - Significantly expanding the art of the possible in unmanned maritime technology

Booz | Allen | Hamilton



The entire MANTAS™ system is designed to reduce manpower, to be an affordable, small footprint, easy to set-up, launch and recover solution that is adaptable to a wide variety of end user missions and host platforms. With the MANTAS™ System, multiple USVs can be deployed into the water quickly.



MANTAS™ operates on a dedicated, private stand-alone 4GLTE meshed communications network, and multiple vessels can be operated autonomously, semi-autonomously, or in full control modes from a single Mobile Command Center resident on a laptop, tablet or smartphone.



The low-profile MANTAS™ USV has available size, weight and power to operate a wide variety of advanced payloads and sensors, to include a 360 degree EO/IR/HDVR full-motion video sensor



Scalable from 3' to 50' in length, MANTAS™ USVs are capable of extremely high speeds, and can also sustain longer-endurance patrols.

T8 MANTAS Specifications for Reference

Dimensions		
Length	98 in	2.50 m
Width	25 in	0.64 m
Height	9 in	0.23 m
Draft (incl rudder)	6 in	0.15 m
Weight (50% Propulsion Energy)	125 lbs	57 kg
Weight (Max Propulsion Energy)	164 lbs	74 kg
Performance		
Burst Speed	60+ knots	
Cruise Speed	20 - 25 knots	
Turn Rate	180 deg/sec	
Acceleration to Max Speed	5 sec	
Sea State	0 - 9	
Persistence* (Loiter)	48+ hours	
Endurance (Cruise Speed)	3.0 hrs	
Cruising Range	60+ miles	100+ km
Payload Capacity		
Max Payload Weight	60 lbs	27 kg
Internal Length	40 in	1.02 m
Internal Width	11 in	0.28 m
Internal Height (Wedge)	2.0 to 5.0 in 50 to 127 mm	

*Sensor Dependent ("Perpetually" persistent with base hotel load and optional Solar charge)

Booz Allen Hamilton has been at the forefront of strategy, technology, and engineering for more than 100 years. Booz Allen partners with public and private sector clients across the globe to solve their most difficult challenges. To learn more, visit www.boozallen.com. (NYSE: BAH)

Maritime Tactical Systems ("MARTAC") is the creator of the patented MANTAS (MAN-Portable Tactical Autonomous System) family of Unmanned Maritime Vessels. MARTAC continues to be on the leading edge of modern unmanned systems.

Possible Missions

- Mine Warfare
- Anti-submarine Warfare
- TTL Missions – Tag, Track and Locate
- Maritime Domain Awareness
- Riverine and inland waterways
- Infrastructure inspection
- Resupply ashore
- Surf-zone survey and obstacle identification
- Towing – to include targets
- Maritime interdiction operations (MIO)
- Mobile Range Systems
- Anti-Piracy
- Mobile Communications Network
- Anti-swarm & fast boat swarm

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