Vessels and Systems

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MARTAC
Everywhere there is water

MANTAS

T6 - X Class

Length	6 ft	Max Payload Wt	15 lbs
Width	1ft 8 in	Burst Speed	45 kts
Height	10 in	Cruise Speed	8-20 kts
Draft	6 in	Cruising Range	35-15 nm
Craft Weight	80 lbs		

T8 - X Class

Length	8 ft	Max Payload Wt	40 lbs
Width	2 ft 2 in	Burst Speed	30 kts
Height	12 in	Cruise Speed	8-20 kts
Draft	7 in	Cruising Range	60-20 nm
Craft Weight	155 lbs	Ocean Capable	SS3+

T12 - X Class

Length	12 ft	Max Payload Wt	140 lbs
Width	3 ft	Burst Speed	25 kts
Height	14 in	Cruise Speed	8-20 kts
Draft	7 in	Cruising Range	60-20 nm
Craft Weight	260 lbs	Ocean Capable	SS4+

T24 - Harbor Class

Length	24 ft	Max Payload Wt	1,800 lbs
Width	8 ft 6 in	Burst Speed	50 kts
Height	33 in	Cruise Speed	20-40 kts
Draft	14 in	Cruising Range	400-300 nm
Craft Wt	3,400 lbs	Ocean Capable	SS4+

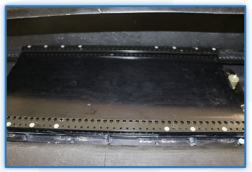
T38 - Fleet Class

Length	38 ft	Max Payload Wt	4,500 lbs
Width	11 ft	Burst Speed	80 kts
Height	40 in	Cruise Speed	35-60 kts
Draft	18 in	Cruising Range	750-500 nm
Craft Wt	6,800 lbs	Ocean Capable	SS5+

T50 - Medium Class

Length	50 ft	Max Payload Wt	10,000 lbs
Width	12 ft	Burst Speed	80 kts
Height	60 in	Cruise Speed	35-60 kts
Draft	22 in	Cruising Range	1,000-700 nm
Craft Wt	13,000 lbs	Ocean Capable	SS5+

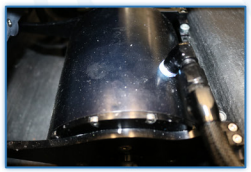
Interchangeable hatches for payload flexibility



Independent power distribution management modules allow for cost-effective and ultra-safe low lithium power solution for propulsion, payload and C2

Thin film solar power panels extend on-time operations

Carbon fiber, catamaran hull promotes laminar flow over the length of the hull allowing for better performance off and on-plane



Fully-sealed Line Replaceable Unit (LRU) motors with closed loop cooling components to improve reliability and extend operational lifetime

Custom-made propellers tuned and matched to motors designed for specific missions

Open architecture and waterproof modular design improves reliability, reduces maintenance and total cost to own

TASKER C2 and Mobile Command Center
Operator interface to MANTAS for mission planning, remote control, and field monitoring

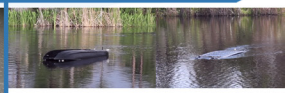
MantaQuik
Waterproof, modular system rapidly integrates components and sensors and comms kits

MantaSim
Simulation of MANTAS vessels for mission trials and operator training

MANTAS Tracer & Tractor Control
TRACER Autonomous Tracking allows MANTAS to maintain the most energy efficient track in various conditions and speeds
TRACTOR Control allows MANTAS to navigate in tight spaces and difficult surface conditions

MantaNet
One to one, one to many, many to one control system and text communication network

MANTAS Turtle Charging Station
Smart charging system that safely and efficiently charges high performance batteries



MANTAS Advanced Operations
Self-righting functionality allows MANTAS to autonomously know when it has capsized and automatically self-rights itself
Gator and Shark modes allows MANTAS to achieve horizontal or vertical positive buoyancy giving it a higher level of stealth for specific missions

apollo military

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