

The Autonomous Sailboat



The Autonomous Sailboat is made by Marine Robotics, LLC, led by Walter Holemans in Maryland, supported by Joseph Curcio in Maine. An initial goal for building this boat is to provide a long-duration remote water sensing system to support the oyster aquaculture industry in Chesapeake Bay. The goal of the MIT team is to provide autonomy software to support this mission and autonomous sailing in general.

Parameter	Conditions	Unit	Min	Typ	max
Velocity	no current, $10 < \text{wind} < 50$	Km/hr	0	4.5	
Total Mass	inc. payload	Kg	52	77	91
Mass, Payload		Kg		5	39
Power, Payload	24/7	W		2	10
Hgt above waterline		m			2.3
Hgt below waterline		m			0.3
Width		m			1.5
Length		m			2.5

Current Projects

Aquaculture