

MC-29

Mission Capable Uncrewed Surface Vessel

The Mission Capable (MC-29) is a twenty nine foot long Autonomous Surface Vessel capable of high-power long-endurance open-ocean operation for 20-30 days.

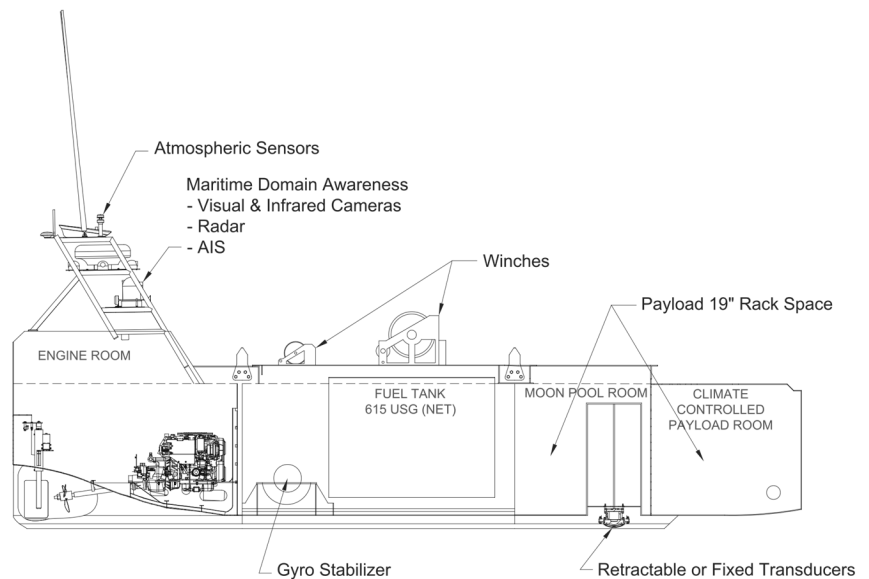
The MC-29's twin inboard marine diesel engines power precision driving in open water while providing several kilowatts of continuous payload power. A Seakeeper stabilizes the vessel in rough seas.

The vessel's flexible platform enables customers to use their own sensor suites, while its integrated 19 inch rack supports topside equipment in a climate controlled space. The 2 ft square moon pool is available for fixed or retractable sensors, while deck-mounted winches can support towed or profiling sensors.

Visual and thermal camera systems, radar, and AIS are mounted to the mast for 360° situational awareness.

The MC-29's base system includes Starlink satellite communication and Silvus mesh radio links for command, control, and monitoring.

Technical Specifications	
Length Overall	29.0 ft (8.8 m)
Beam Overall	6.3 ft (1.6 m)
Material	Aluminum
Fuel Type	Marine Diesel
Fuel Capacity	600 USG
Top Speed	6.0 kts
Cruise Speed	4.0 kts
Endurance	20-30 days (Based on Mission Profile)
Waterborne Payload	Towed, Profiling, Fixed-mount, or Retractable
Shipboard Payload	Standard 19 in Rack with AC/DC power, climate controlled
Transport	Trailer or 40 ft CONEX



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