“TIGER SHARK”
Maritime Threat Simulation

Key features

- Line-of-sight or OVER-the-horizon control
- High speed manoeuvering sea surface target
- Designed to replicate a FIAC threat in swarms of up to 16 vehicles.
- Cost effective 'kill' target
- Tactical Applications

The Tiger Shark target boat operates at speeds of over 40 knots and is remotely controlled from more than 7 nautical miles. The Tiger Shark can replicate high-speed naval tactics and a variety of operational scenarios. It can replicate Fast Inshore Attack Craft (FIAC) threats in swarms of multiple vehicles. The Tiger Shark can be equipped with visual, radar and laser signature enhancements to present a convincing likeness of a variety of threats.

SYSTEM DESCRIPTION

The Tiger Shark Sea Surface Target System is a 5m, advanced composite design, speedboat powered by a 135 hp gas 3.0L Merc engine.The Tiger shark operates at speeds up to 40 knots in sea states 2 or less and 30 knots in sea state 3,which is a significant performance increase over any other target system in this category.

The Tiger Shark System allows for remote control from distances greater than 7 nautical miles. The system is controlled by Meggitt’s own “Wizard” ground control station which can be preprogrammed for specific operational scenarios including multiple target operations. A self-contained tracking capability is achieved using the onboard Global Positioning System (GPS)

MEGGiTT
smart engineering for
extreme environments

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REALISTIC PRESENTATIONS

The Tiger Shark replicates high-speed naval tactics and a variety of operational guidance plans including straight-on high-speed attack, crossing patterns, zig-zag and other evasive manoeuvres. The system can be equipped with visual, radar and laser signature enhancements to present a convincing likeness of a variety of naval threats to exercise guns, radar and visual sensors for naval combat systems.

FAST INSHORE ATTACK CRAFT (FIAC)

The Tiger Shark was specifically designed to simulate a Fast Inshore Attack Craft (FIAC) in a multi-vehicle swarm of vehicles simultaneously. The Tiger Shark also excels in replicating FAST Attack Craft (FAC) naval threats.

The Tiger Shark high-speed, unmanned, sea surface vehicle (USV) is a cost effective 'kill' target.

SPECIFICATIONS

Hull Length:	5.18 m (17'-0")
Boat beam :	1.40 m (4'-7 ¼")
Boat Length:	5.74 m (18'-10") (with outdrive in down position)
Target Weight (Dry):	900kg (1984 lbs)
Engine:	Merc-Cruiser 3.0L
Engine Performance:	135 horsepower
Fuel Capacity:	189 litre (50 Imp gallons)
Outdrive:	Mercruiser Alpha 1
Payloads:	Visual Augmentation (Smokes, Flag, Flares, Strobes)
	Passive Radar Augmentation (20-500m^2, in l-Band)
	Active Radar Augmentation (RF-SAS) System Video TM

DEMONSTRATED PERFORMANCE

Operating Temperature:	-30^o to + 50^{o}C (+15^o to + 122^o F)
Storage Temperature:	-40^o to + 60^o C (-40^o to +140^o F)
Maximum Speed:	30+ knots in Sea State 3; 36 knots in Sea State 1 and below
Speed/ Endurance/ Range:	4 hours @ 4600 RPM 40 knots
	20 hours @ 2750 RPM 15 knots
Payload/ Speed:	500 lbs/ 35 knots
Control System:	MDSL "Wizard" Ground Control Station
Video TM Range:	5 nautical miles (subject to CS antenna height)

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