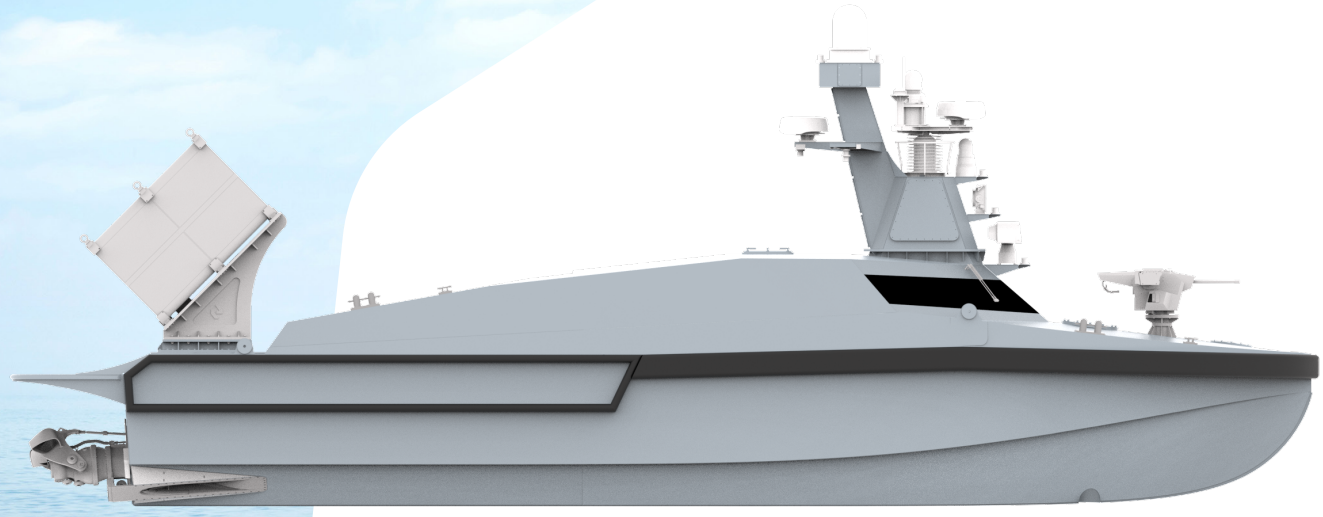
# MARLiN | 100 ASuW

UNMANNED SURFACE VEHICLE

#UnmannedSystems



ANTI-SURFACE WARFARE
SURFACE TO SURFACE MISSILE
REMOTE CONTROLLED WEAPON SYSTEM
AUTONOMOUS OPERATION
35+ KTS SPEED
HIGH MANEUVERABILITY
LOS-BLOS COMMUNICATIONS & MESH NETWORK
INTEROPERABILITY AND FLEXIBILITY
HYBRID TASK ORGANIZATION & SWARM OPERATIONS
NETWORK CENTRIC/ENABLED OPERATIONS

SEFİNE SHIPYARD

aselsan

# MARLiN | 100 ASuW

## UNMANNED SURFACE VEHICLE

MARLİN 100 ASuW is a new generation USV developed for Anti-Surface Warfare (ASuW). Its modular design architecture allows different payload configurations.

MARLİN 100 ASuW is equipped with advanced communication and positioning systems; can operate uninterruptedly under Communication / GNSS denied environments.

ASELSAN in-house autonomy architecture also ensures hybrid swarm and joint operations.

**General Features**
- Inertial Navigation System
- Dynamic Positioning System
- Active Stabilization System
- Radar, AIS
- Obstacle Avoidance Sonar
- Anti-Jam GNSS
- EO/IR Camera System
- STANAG 4817 compatible

**Autonomy Features**
- Mission Planning
- Sensor Fusion
- Fixed and Moving Obstacle Detection and Dynamic Path Planning
- Day/Night Operations
- Operation under Comms/GNSS Denied Environment

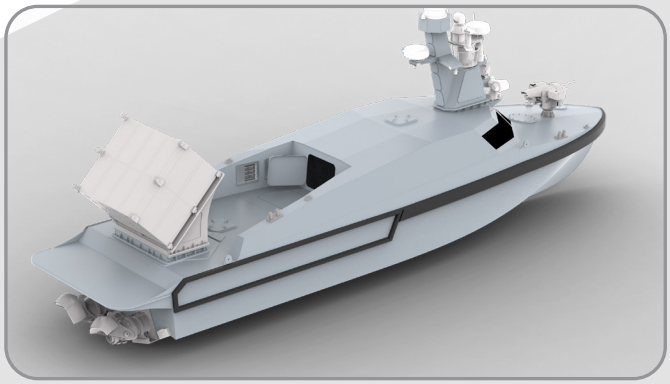
**Technical Features**
- Length : 15 m
- Width : 3.85 m
- Weight : 21 tons
- Max. Speed : ≥ 35 kts
- Endurance : 72 hours
- Propulsion System : Diesel Engine & Water Jet
- Payload Capacity : ≥ 4 tons

**Payloads**
- KUZGUN SSM
- SMASH 200/12.7L Stabilized Weapon (RCWS)

**Communication Systems**
- Broadband Satellite
- Narrowband Satellite
- RF Line-Of-Sight / Mesh Network
- 4G / LTE

**Control Station**
- Mobile Container
- Navigation and Mission Planning / Execution
- Control of Payload and Subsystems
- Data Display
- Live Image / Data Transfer

**Operational Capabilities**
- Detection and Engagement of Surface Platforms, Near Shore Targets and Land Targets
- Transportation to the Mission Area from Port or Logistics Support / Amphibious Ships
- Intelligence, Surveillance and Reconnaissance
- Autonomous or Remote-Control Modes
- Joint Operations with other Manned / Unmanned Platforms
- Deployment Flexibility (Hybrid Task Units/Groups)
- Operation in Denied Areas
- Increasing Effectiveness of Engagement Plans with Network-Information Centric Capability





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