

YAKTU

KAMIKAZE UNMANNED
SURFACE VEHICLE (KUSV)



TECHNICAL SPECIFICATIONS

GENERAL FEATURES

- › Autonomous architecture
- › Dynamic operational speed and superior maneuverability
- › Low observability (stealth) architecture with minimized thermal signature
- › Scalable and modular multi-vehicle (swarm) configuration
- › Compliance with NATO-based system integration protocols (STANAG 4817)
- › High-Explosive Warhead
- › Smart Fuze System

MAIN DIMENSIONS

| | |
|----------------------|--------|
| Length Overall (LOA) | :5.8 m |
| Beam (Extreme Beam) | :1.6 m |
| Design Draft (Td) | :0.4 m |
| Displacement | :1.7 t |

SPEED & CAPACITY

| | |
|---------------|------------------|
| Maximum Speed | :50+ kts |
| Service Speed | :20+ kts |
| Range | :200 nm, @20 kts |

MAIN PROPULSION / POWER SYSTEMS

- › 1x Diesel Engine
- › 1x Water Jet

AUTONOMY FEATURES

- › Independent configuration of operational processes with intelligent workload distribution
- › Data Fusion and integrated sensing capability
- › Capability to perform autonomous missions individually or in swarm configuration
- › Operational capability in GNSS- and communication-denied environments
- › AI-based autonomous target engagement capability supported by image processing

C2, SENSORS AND NAVIGATION SYSTEMS

- › GNSS Receiver and Antenna
- › Navigation Cameras
- › Echo Sounder
- › INS
- › Speed Log System

COMMUNICATION SYSTEMS

- › RF Line-of-Sight (LOS) / Mesh Topology Communication
- › Satellite Communication (SATCOM)

COMMAND AND CONTROL (C2) INTERFACE

- › Portable Control Console / Display Unit
- › Mission Planning and Execution
- › Real-Time Video Transmission and Data Recording

OPERATIONAL AREA AND MOBILITY CAPABILITIES

- › Autonomous transit to the target area following deployment from coastal facilities or mother platforms.
- › Full interoperability with mixed fleets (manned/unmanned) enabling coordinated joint operations.
- › Integrated strategic operational capability through centralized Command and Control (C2) networks.

STM SAVUNMA TEKNOLOJİLERİ MÜHENDİSLİK VE TİCARET A.Ş.

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