

# KARGU

LOITERING  
MUNITION SYSTEM



# TEKNİK ÖZELLİKLER

## ROTARY WING LOITERING MUNITION SYSTEM

KARGU is a portable, rotary wing attack drone designed to provide tactical ISR and precision strike capabilities for ground troops. KARGU is capable of performing fully autonomous navigation via STM's unique flight control system. The platform is capable of detecting and striking static or mobile targets with high precision during day and night conditions.

KARGU supports both armor-piercing and anti-personnel payloads on a single platform. Moreover KARGU, integrated with an RF seeker payload developed by STM, which can autonomously detect any RF-emitting targets (including air defense systems, FPV drone controllers, and electronic warfare systems etc.) and neutralize them under man-in-the-loop control, providing a cost-effective solution. The KARGU system is comprised of the Attack Drone Platform and the Mobile Ground Control Station.

### CAPABILITIES

- › Combat Proven
- › Vertical Takeoff and Landing
- › Fast preparation time, less than 1 minute
- › Day & Night Mission Capability
- › Beyond Line of Sight Precision Strike with minimum collateral damage
- › Low RCS (Radar Cross Section) Platform Design
- › Anti-Personnel and Armor-Piercing Warhead Options
- › Optical Guidance and Target Tracking
- › High performance navigation and flight control system
- › Operable by single personnel
- › Mission abort and return home capabilities
- › Highly Reliable Fuze Designs for Various Mission Types
- › Advanced Image Stabilization and Target Recognition System
- › Precision Landing Sensor
- › Interoperability with Other Platforms
- › GNSS-Denied Operational Capability
- › Fast Recharge Capability

### GROUND CONTROL UNIT

Type	Mobile
Display	Rugged High-Precision Touchscreen
Military Environmental Qualification	MIL-STD-810G
Operating Time	2 hours
Antenna Type	Internal or External Antenna
Interfaces	USB - ETHERNET - HDMI

### PAYLOAD OPTIONS

Anti-Personnel Munition	Armor-Piercing Munition	STM RF Seeker Payload	Jinn System
Fuze Type: Proximity Weight: 14 kg Warhead: 840 fragments, 4x4 mm each	Fuze Type: Impact Weight: 1.1 kg Armor Penetration Capability: 300 mm Armour-Steel	STM RF Seeker Payload, is a passive wideband sensor that allows mini/micro or small class UAV platforms to detect and track RF transmissions belonging to friend and foe systems.	The DRFM-based stand-in jamming system is a high-tech solution for jamming and deceiving hostile radars.

### SPECIFICATIONS

Dimensions (Unfolded, propellers excluded)	707 x 707 x 409 mm (L x W x H)
Folded (propellers included)	471 x 463 x 210 mm (L x W x H)
Maximum Take-off Weight (Including Payload)	7 kg (84 kg with RF Seeker)
Endurance with payloads	Up to 30 minutes (Up to 25 minutes with RF Seeker)
Range	- 10 km ( with external antenna) - 6.5 km ( with onboard GCS antenna)
Imaging Systems	- IR Camera - EO Camera with 10x Optical Zoom
Maximum Flight Altitude	3000 m (MSL)
Cruise Speed	72 km/h
Maximum Attack Speed	150 km/h
Wind Resistance	10 m/s
Operating Temperature	-20°C to +50°C

## STM SAVUNMA TEKNOLOJİLERİ MÜHENDİSLİK VE TİCARET A.Ş.

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