

SONGAR™

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SONGAR™ Armed Drone System which is the first Armed Drone in Turkish Armed Forces inventory is developed by ASİSGUARD to be effectively used in any kind of day/night military and security operations. The system can broadcast real-time video and operate within a mission radius of up to 5 kms.

SONGAR™'s user-friendly system design reduces the operator's load during mission, i.e. autonomous/manual flight control modes, return to home function on link-loss or critical battery level, mission planning on moving map, autonomous flight on planned route and in-flight mission change during the task.

SONGAR™ Ground Control Station's ergonomic and portable design provides maximum usability on the field to the operator. The drone video, flight telemetry data and drone flight position on the moving map can be displayed and recorded on the Ground Control Station. Starting/stopping of the video recording and selection and display of a recorded video among the previous records are also possible on Ground Control Station.



GENERAL SPECIFICATIONS

- Ground control station (GCS)
- Autonomous/manual flight control modes
- Service ceiling of 3000 meters (MSL) and 300 meters (AGL)
- Real-time video and telemetry data transfer
- Mission planning on moving map and autonomous flight on planned route
- Return to home function in case of link-loss or critical battery level
- Operation within a mission radius of up to 5 kms

PAYLOAD OPTIONS

- Assault Rifle
- Grenade Launcher
- Electro-Optic Payload Options

SONGAR™ SPECIAL PROJECTS

- SONGAR™ - TOGAN (TÜBİTAK SAGE)
- SONGAR™ ARMORED VEHICLE INTEGRATION



GENERAL SPECIFICATIONS



Effective control mechanism



Gun rotation between 0° and 45° on elevation axis



Close air support (CAS) in critical military bases



Max. 25 minutes of flight time



Immediate reaction to known threats



Multi-layered fire safety



Gun Stabilization System (GSS)



Compatible with any Assault Rifle which can carry 5.56 caliber 45 mm ammunition



STANDARD PILOT CAMERA



OPTIONAL GIMBAL CAMERA

GENERAL SPECIFICATIONS



Effective control mechanism



Close air support (CAS) in critical military bases



Immediate reaction to known threats



Firing up to 4 grenades



400-450 meters of effective range



Gun rotation between +5° and -90° on elevation axis



Max. 15 minutes of flight time



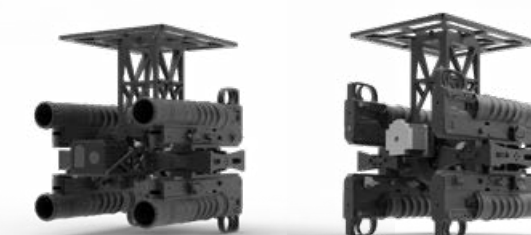
Multi-layered fire safety



Optional drum grenade launcher system which can carry 6 ea. grenades



GRENADED WITH 4 GRENADE LAUNCHERS



GRENADE LAUNCHER STABILIZATION SYSTEM (GLSS) WITH 4 GRENADE LAUNCHERS



GRENADED WITH 6 GRENADE LAUNCHERS AND GIMBAL CAMERA OPTION



GRENADED WITH 6 GRENADE LAUNCHERS AND STANDARD PILOT CAMERA

SONGAR™

ELECTRO-OPTIC PAYLOAD OPTIONS



SONGAR™

ASISGUARD provides different electro-optic payload options according to customer request and demands to bring SONGAR™ Drone superior abilities.



GENERAL SPECIFICATIONS



Pilot Camera Options for surveillance and exploration purposes



Gimbal integrated day light and thermal camera



Barrel Camera and Laser Range Finder (LRF) Module (Eye safe laser)



640x512 HD image with 10x optical zoom in standard



Gimbal integrated day light camera



Optional higher zoom capable electro-optic payloads



SONGAR™ | SPECIAL PROJECTS

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SONGAR™ - TOGAN (TÜBİTAK SAGE)



With the integration of the TOGAN ammunition of TÜBİTAK SAGE on The Armed Drone System SONGAR™ developed by ASİSGUARD, has gained the skill of destruction of the target with accurate mortar fire on both stationary and moving operations.

GENERAL SPECIFICATIONS



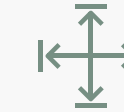
Effective control mechanism



Easy ammunition load for mission continuity and ease of operation



Local security and close air support



Single ammunition hold-drop mechanism



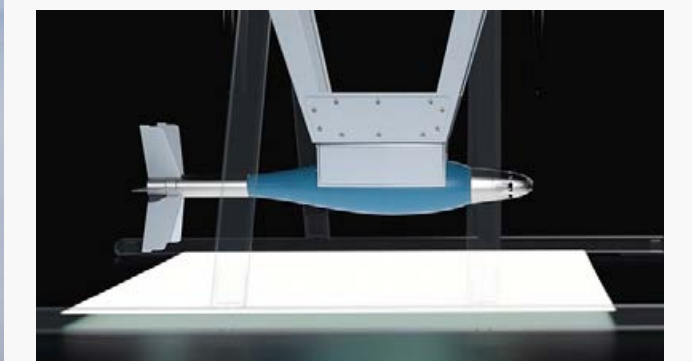
Effective radius of operation



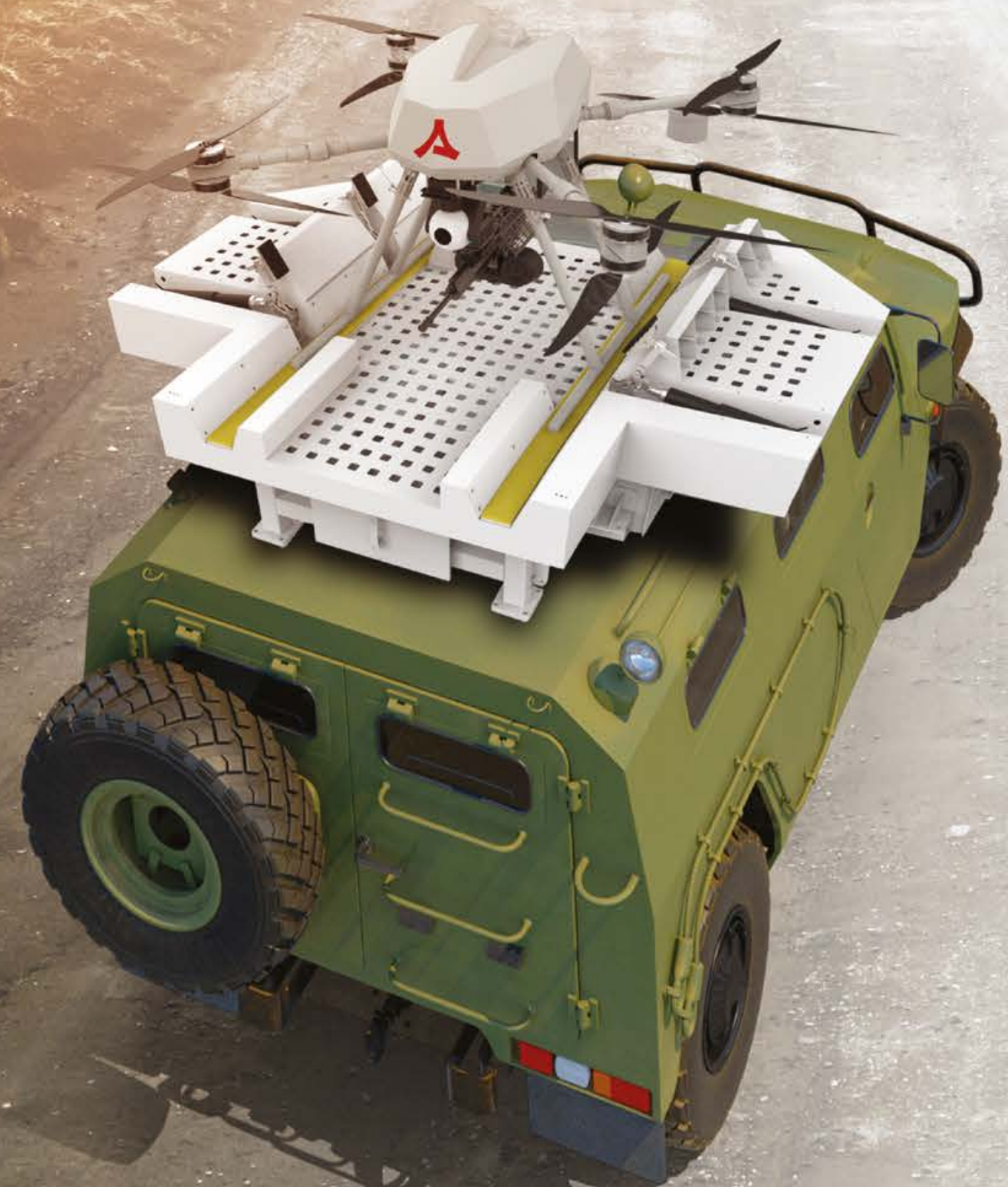
Multi-layered fire safety



Dynamic fire algorithm



ARMORED VEHICLE INTEGRATION



SONGAR™ developed by ASISGUARD, has gained remarkable competence in predetermination and destruction of target in operations with the integration of autonomous armored vehicle.

GENERAL SPECIFICATIONS



Capability to integration on Manned and Unmanned Armored Vehicles



Bringing military vehicles superior fire characteristics



Using for attacking against threats and traps



Automatic take off /landing capability



Day and night operation



Multi-layered fire safety

