



LPP TAG



MTS

UAS SOLUTION

MODULAR TACTICAL SYSTEM

MTS is a fully autonomous combat UAV system designed for one-way attack missions. It features AI-powered visual navigation, enabling autonomous operation without relying on external signals or GNSS. It's optimized for rapid deployment by a mobile catapult with operator safety in mind. Developed and manufactured in-house at LPP-TAG, we maintain complete control and security over every component.

MAIN FEATURES

- ✚ Fully autonomous UAV for one-way attack missions
- ✚ AI navigation with visual positioning and optical tracking
- ✚ Precisely navigates in GPS-denied or spoofed areas
- ✚ Closed-loop system for jamming immunity
- ✚ Jamming-resistant radio for man-in-the-loop oversight
- ✚ HEAT, HEFRAG, or AT-TBFRAG warheads
- ✚ Fast deployment by a mobile catapult
- ✚ Easy to disassemble into parts suitable for transport
- ✚ Auto destruction in case of critical failure

VISUAL NAVIGATION

AI-powered navigation for reliable flight even in GPS-denied areas. Allows precise positioning based on barometric data, visual odometry, and map matching.

- ✚ Full autonomy from launch to target neutralisation
- ✚ Unaffected by GPS jamming and spoofing
- ✚ Entirely onboard, no external signals
- ✚ Utilises optical tracking for terminal guidance
- ✚ Proprietary algorithms process sensor data
- ✚ Configurable from the Ground Control Station



OPTICAL TRACKING

In the final mission phase, the MTS employs AI optical tracking using an onboard camera to detect and lock onto a pre-defined target.

- AI object recognition
- Optimized impact trajectory
- Obstacle avoidance
- Target specification from the Ground Control Station
- Integrated into the Visual Navigation subsystem

TECHNICAL SPECIFICATION

	MTS-5E	MTS-25C	MTS-40C
Purpose	One-way attack	One-way attack	One-way attack
MTOW	5,5 kg	25 kg	40 kg
Payload	up to 2 kg (HEAT / HEFRAG)	up to 6 kg (AT-TBFRAG)	up to 12 kg (AT-TBFRAG)
Maximum Range	40 km	450 km	650 km
Maximum Speed	160 km/h	200 km/h	230 km/h
Launch	Catapult / RATO	Catapult / RATO	Catapult / RATO
Wingspan	1670 mm	3320 mm	3320 mm
Propulsion	Electric	Combustion	Combustion



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