



ARMAXIS



STRIKE DRONE SYSTEM

TACTICAL COMPLEX
FOR THE BULGARIAN
LAND FORCES

RAS BLF 10

Composition of the Complex



Drone target designator **01**

Drone carrier repeater **02**

Video signal and
control repeater **03**

Multi-frequency
ground station **04**

Ground station
control module **05**

Strike drones **06**

Target Acquisition Drone

01

Frame: Quadcopter 20"

Frame material: carbon

Control frequency 5GHz

Video signal frequency 5GHz

Pilot Camera: 720p, rotatable

Payload: Target Acquisition equipment -
Options according to client requirements

Flight modes: altitude hold, position hold,
auto return home)

Control range up to 5 km

Time in the air is up to 60 minutes

Batteries: 2x 6s3p

Dimensions: 67x67x37cm



Repeater Drone

02

Frame: Quadcopter 20"

Frame material: carbon

Control frequency 2.4GHz

Video signal frequency 2.4GHz

Pilot Camera: 720p

Payload: Video Signal and Control Repeater (VSCR)

Control range up to 2 km

Time in the air is up to 60 minutes

Batteries: 2x 6s3p

Dimensions: 67x67x22cm



Video signal and control repeater

03

Material: plastic

Video reception: 4.9-6.2 GHz

Video transmission 1.3GHz

Control reception: 915MHz

Control transmission: 915MHz

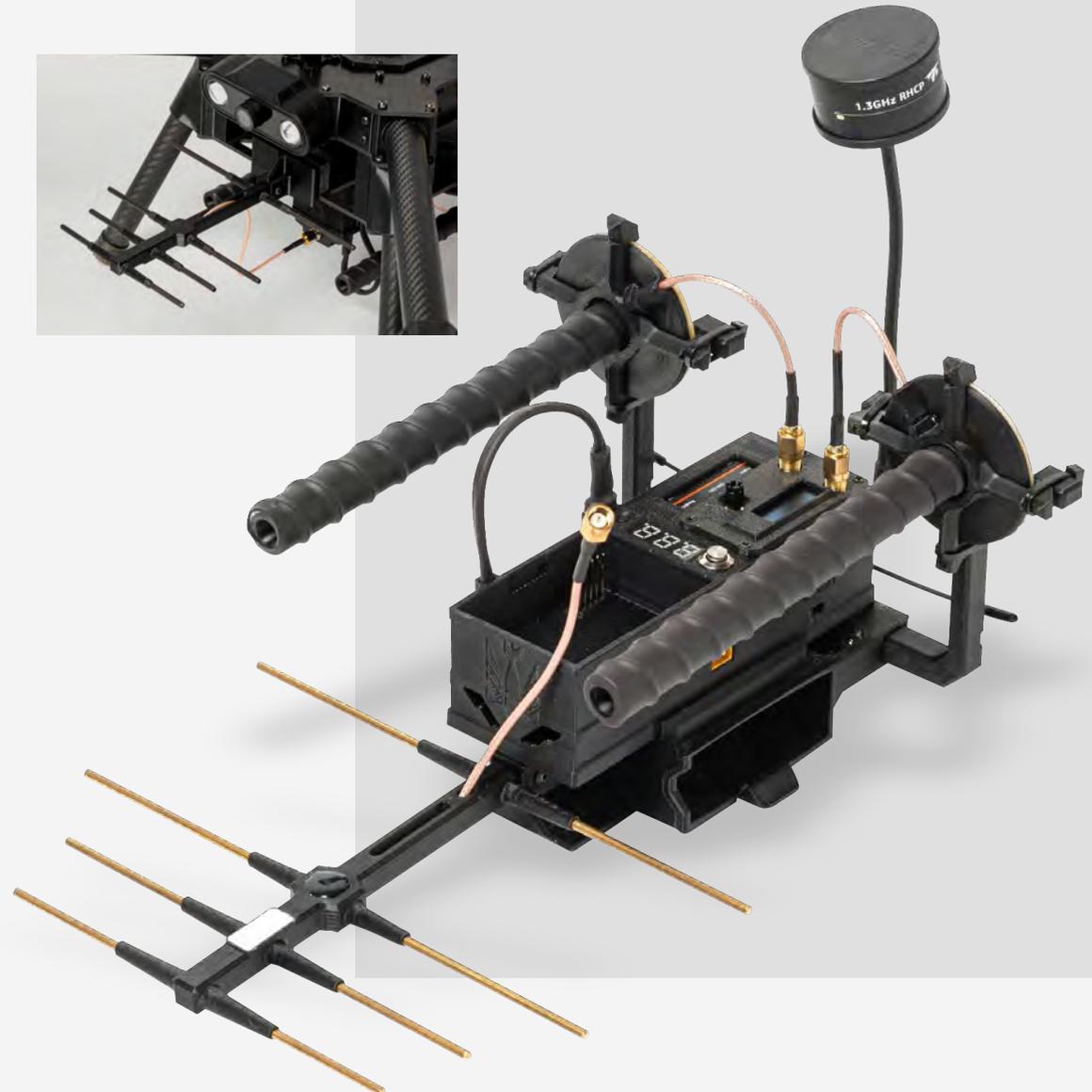
Video antenna 4.9-6.2 GHz 12 dBi

Control antenna YAGI 915MHz 5dBi

Power 3-6S

Relay distance up to 30 km

Dimensions: 36x19x9cm



Multi-frequency ground station

04

Mast 8m

Video reception frequencies are
4.9-6.2 and 1.3 GHz

Control frequency 915 (replaceable
module)

Power 6S

Length of the wire to the operator
50m

Power cable length 15m

Operating distance up to 30 km

Battery life 3+ hours

Remote channel switching, turning
transmitters on/off



Ground station control terminal

05



Monitor 19"

Remote control TX12

Power supply: 220V, 6s battery

HDMI video input

Video output 1x RCA

Type C Tablet Output

Micro SD recording

Dimensions: 62x40x30cm



Strike drone 10" (daylight and thermal camera)

06



Frame: Carbon

Video transmitter 4.9-6.2 GHz

Control 902-928MHz

Distance with a load of 3 kg - from 15 km

Maximum altitude 3km

Camera 1500TVL

Thermal imager 256×192p

Advanced Strike Drone Warhead

Our system is designed to operate with various warhead types, ensuring mission flexibility and effectiveness.

Initial Deployment:

The first batches of strike drones will be equipped with **lightweight, versatile ammunition** featuring a **multi-purpose warhead** with **armor-piercing, high-explosive, and fragmentation capabilities**.

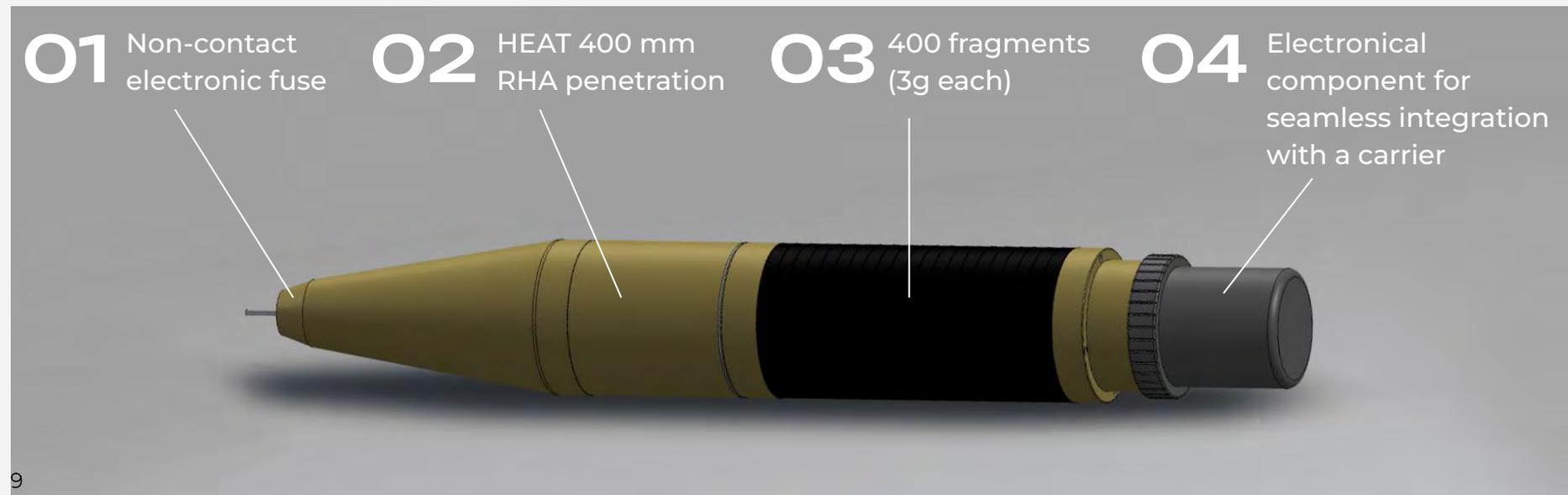
Key Specifications:

Total Weight: 3.2 kg

Explosive Charge: 1.1 kg RDX

Armor Penetration: 400 mm RHA

Fragmentation Effect: 400 fragments (3g each)



Advanced Strike Drone Warhead

Cutting-Edge Safety & Functionality:

Non-contact electronic fuse for precise detonation

01

User-friendly interface with clear operation & status indicators

03

Long-term storage: 10-year shelf life

05

Dual mechanical safeties and multi-level electronic safety for maximum reliability

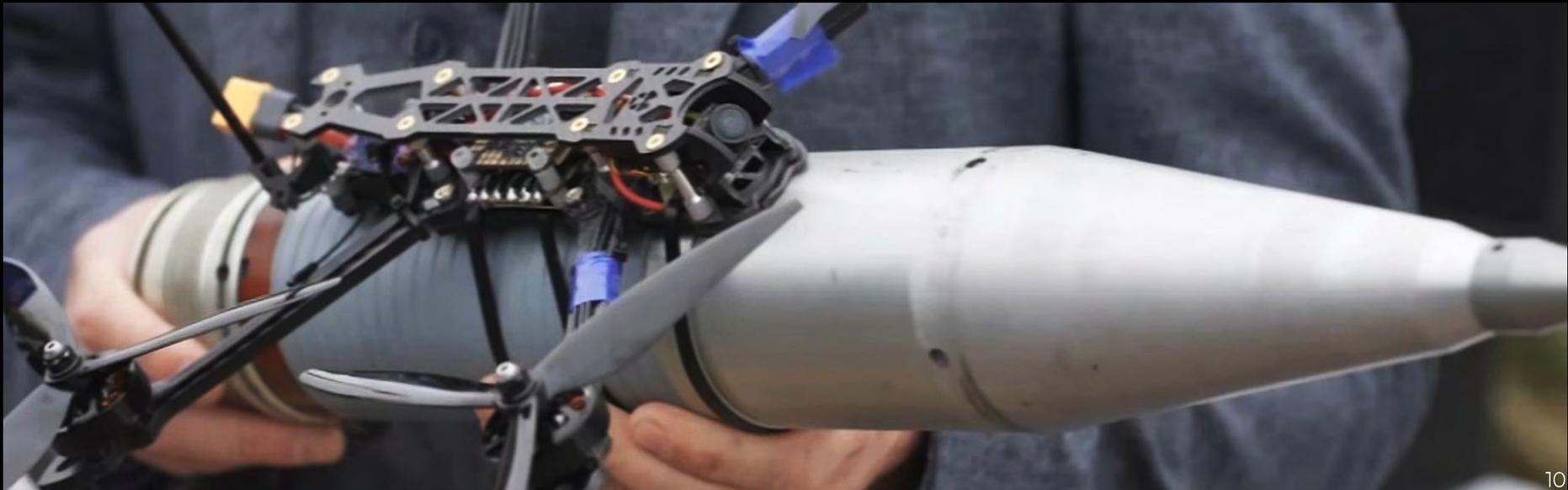
02

Bidirectional digital communication port for seamless system integration

04

Built-in test mode to ensure electronic system integrity

06



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The Strike Drone System (SDS) is employed in a platoon-size unit. The primary role of the platoon is to provide essential Anti-Armor capabilities for the Battalion in the full tactical depth. It can deliver immediately available, responsive indirect fires with pinpoint accuracy against various targets, thus supporting the maneuver of the battalion and reinforcing direct fires during close combat.



With its ability to operate autonomously or as part of a networked fire-support system, the SDS enhances operational reach and lethality. Its drones can engage enemy armor from standoff distances, reducing risk to friendly forces while maintaining high effectiveness against a variety of targets.



SDS gives the Battalion commander a versatile and adaptive tool to dynamically shape the battlefield.



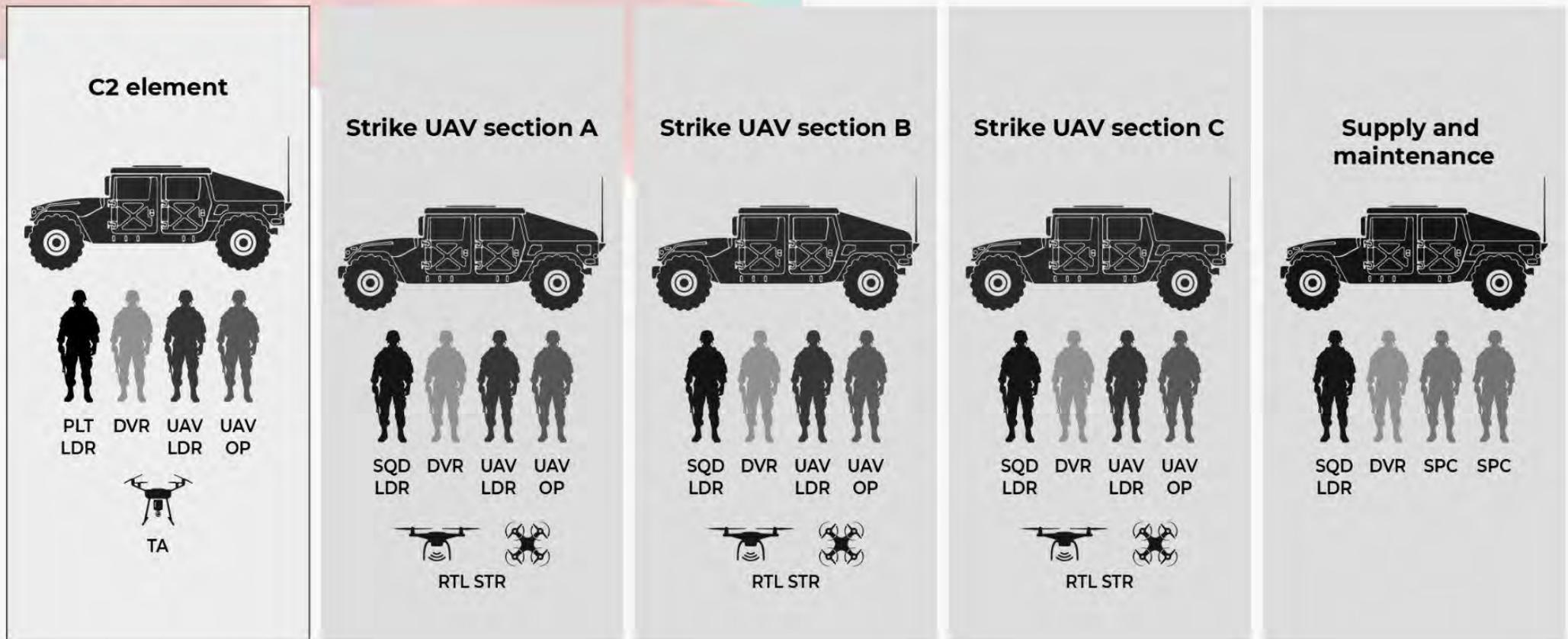
The combination of its organic advanced target acquisition systems and precision munitions ensures that the SDS remains lethal across various terrains and combat scenarios.

Proposed BLF Strike UAV Platoon Structure

KEY

-  **PLT LDR** — Platoon Leader
-  **SQD LDR** — Squad Leader
-  **UAV LDR** — UAV Leader
-  **UAV OP** — UAV Operator (Pilot)
-  **SPC** — Specialist
-  **DVR** — Driver

 **Bulgarian Land Forces UAV Strike Platoon (after 2025)**



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The platoon is organized into a Command element, three four-man Strike teams, and a Logistical element.

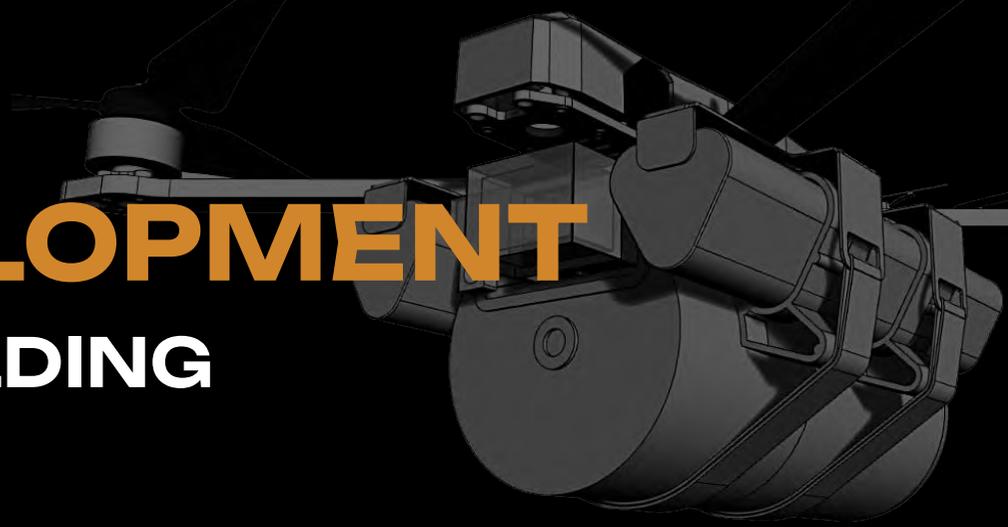
The Command element oversees all command and control (C2) activities, ensuring effective coordination and execution of missions. Additionally, it is responsible for the deployment and operation of the unit's organic Target Acquisition and Surveillance (T&S) drone, which provides real-time intelligence to enhance situational awareness and targeting efficiency.

Each four-man Strike team is equipped for non-line-of-sight (NLOS) operations, employing its own Retranslation drone to maintain secure and extended communication links. These teams are capable of engaging a variety of targets with precision-guided munitions (Strike FPV drones), ensuring the unit's lethality and operational reach.

The Logistical element (Supply and Maintenance) is tasked with sustaining the platoon's combat effectiveness by managing the transportation of ammunition, spare parts, and consumables. It also handles repair and maintenance of the platoon's equipment, ensuring continuous operational readiness. Additionally, the Logistical element can conduct MEDEVAC missions when required, providing critical casualty evacuation and emergency support.

FUTURE DEVELOPMENT

RAS UAV | TEREM HOLDING



01

02

03

04

Fibre Drone



Autonomous Terminal Guidance

- Machine Vision
- Home on Jamming



GNSS Denied Navigation

- Jam resistant GNSS Antennas
- Terrain following



Warhead inventory development

- Thermobaric
- EFP



LOCALIZED PRODUCTION

Warhead

01



**Strike
Drones**

03



Batteries

02

