SKYETON

RAYBIRD

BEYOND LIMITS
ABOVE REACH

OVERVIEW PRESENTATION

Raybird is a small tactical unmanned aerial system (UAS) under **25 kg**, with an unmatched flight time of **28 hours**, engineered for long-range missions

On average, Raybird completes **hundreds of missions** before TBO, making it one of the most reliable in its class

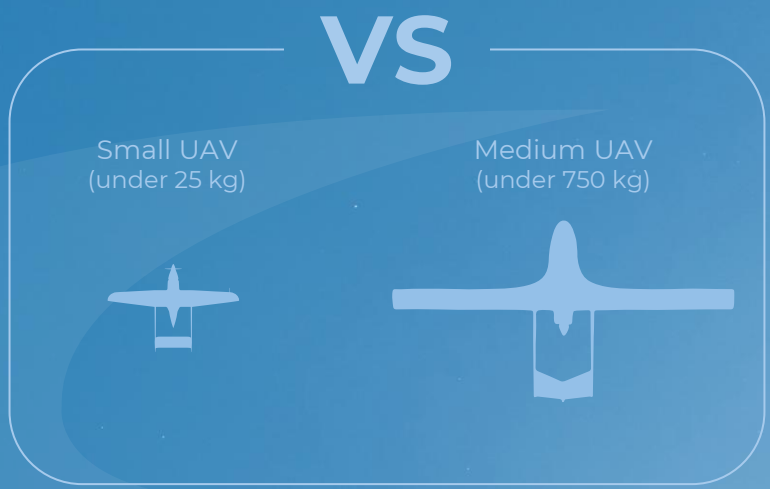
With **300,000+ mission hours**, Raybird doesn't just reach further – it's field-proven, refined, and matured for real-world performance

TECHNICAL SPECIFICATIONS

For its size and weight, Raybird (a small UAV) achieves exceptional performance metrics that rival those of higher-class aircraft (medium UAVs)

Wingspan ..... **3-4.2** m
MTOW ..... **23** kg
Flight Time ..... up to **28** hours
Maximum Flight Altitude ..... **5,500** m
Maximum Flight Range ..... over **2,500** km
Communication Range ..... up to **150** km
Payload ..... **5-10** kg
Speed ..... **80** / **110** / **140** km/h

Engine Type ..... EFI, four-stroke engine
Fuel ..... 95 octane
*Operating Temperature ..... from **-45**°C to **+55**°C*
*System Deployment Time ..... up to **25** minutes*
Takeoff ..... Catapult launch
Recovery System ..... Parachute airbag landing



FIELD-PROVEN

Born in Ukraine, Raybird UAVs have over **300,000 hours** of operational experience in demanding environments, with additional international flight experience across various mission profiles

This extensive real-world application – across both security and civilian missions – has refined Raybird into a field-proven UAV, ready for the demands of large-scale missions

1 **1000+ UAVs** delivered since 2018

2 Average Raybird flight time in battlefield conditions: **8-14 hours**

3 Average number of missions per UAV in battlefield conditions: **~40**

BEST-IN-CLASS RESILIENCE

Raybird excels in the most demanding environments, completing thousand+ of hours on average before TBO, significantly reducing cost per mission

1 Unique recovery system ensuring payload safety even during the toughest landings

2 Best-in-class airframe designed for maximum endurance

3 **80+%** of components are produced in-house, ensuring superior quality control

18 YEARS OF AVIATION STANDARDS

Skyeton has upheld aviation-grade standards for 18 years. Starting with the K-10 Swift ultralight aircraft the company built expertise rooted in aviation standards. In 2014, the company shifted to unmanned aerial systems, applying the same rigorous aviation standards.

By 2018, the Raybird was officially adopted by the Armed Forces of Ukraine. Since 2019, Raybird has been deployed globally. In 2022, Skyeton focused its efforts primarily on the defense of Ukraine, while maintaining other operational areas.

Today, Skyeton is a 350+ employees worldwide company, with manufacturing facilities in Ukraine and Slovakia, and Head office in Munich. With in-house software development and 100+ engineers in the RnD

LARGE-SCALE AREAS SOLUTION

The coverage comparison of Raybird and various UAVs

GSD (Ground Sampling Distance) represents the ground size of one pixel in the image – smaller GSD values indicate higher image detail. Mpx (megapixels) refers to the resolution of the camera, with higher values allowing for more detailed imagery

Multicopters | 64 ha
Sensor: 2o Mpx
Flight time: 30 minutes
GSD: 12 cm/px (0.5 in/px)

Fixed-wing UAV | 110 ha
Sensor: 42 Mpx
Flight time: 1 hour
GSD: 12 cm/px (0.5 in/px)

Raybird | 33600 ha
Sensor: 100 Mpx
Flight time: 24 hours
GSD: 1.2 cm/px (0.5 in/px)

Raybird | 280000 ha
Sensor: 100 Mpx
Flight time: 24 hours
GSD: 10 cm/px (3.9 in/px)

Raybird | 840000 ha
Sensor: 100 Mpx
Flight time: 24 hours
GSD: 30 cm/px (11.8 in/px)

THE ~~DRONE~~ AVIATION SYSTEM

The standard configuration includes:

- Raybird UAV – 3 vehicles
- Ground Control Station (GCS) with Integrated Software
- Antenna System
- Launching Unit (Catapult)
- Optional Van for Transportation and Operations
- Payload Options depending on a particular type of mission

Each system is configured according to mission requirements

PAYLOADS

Raybird is a multifunctional tool with diverse payloads depending on your large-scale mission needs

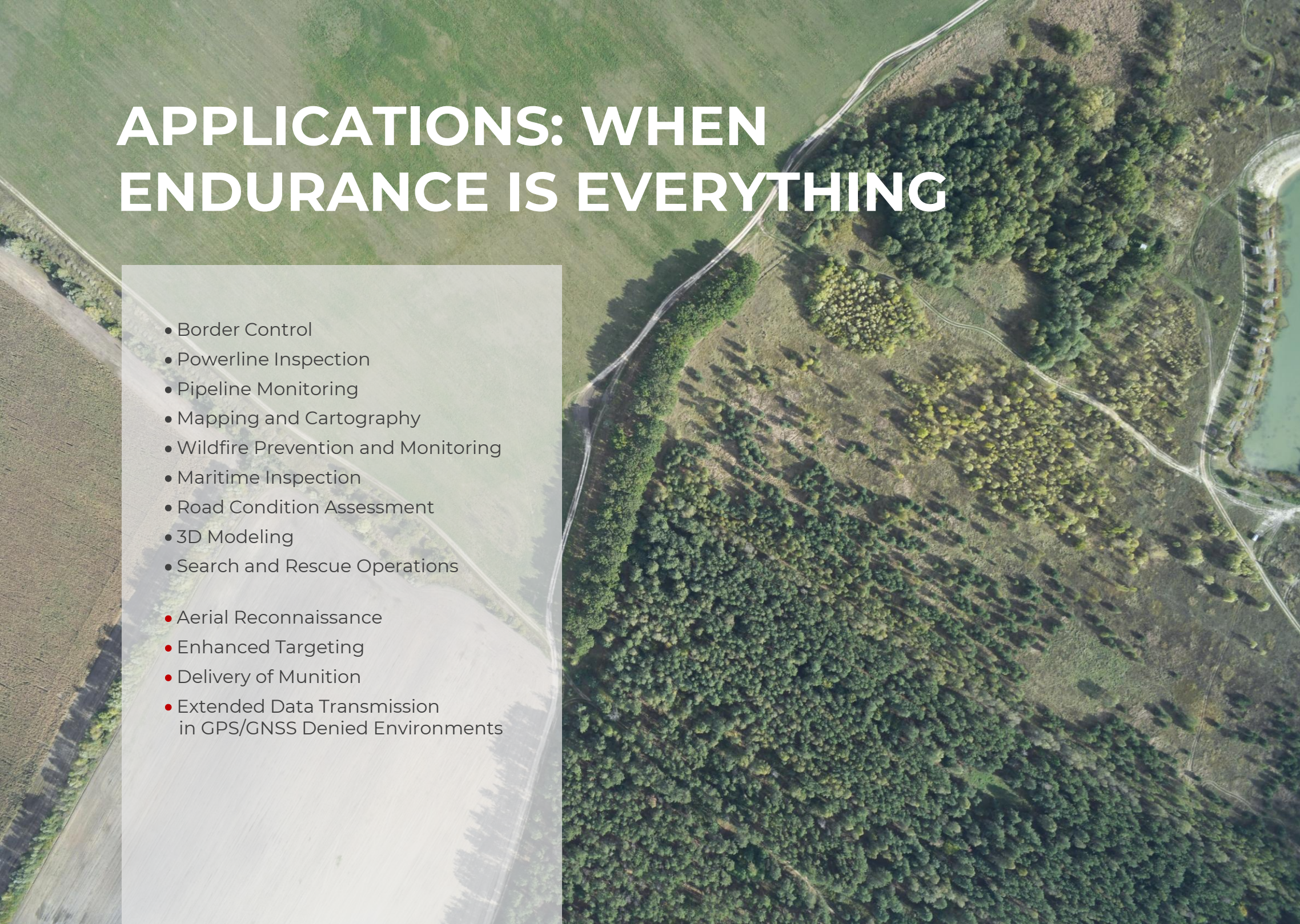
Key Payload Types:

- Gyro-stabilized Multi-Sensor Gimbal: GLE-6, Alticam
- Synthetic Aperture Radar (SAR)
- High-Definition Aerial Cameras: Phase One IXM
- Loitering Munitions

Payload Capacity:

- 5–10 kg

APPLICATIONS: WHEN ENDURANCE IS EVERYTHING



- Border Control
- Powerline Inspection
- Pipeline Monitoring
- Mapping and Cartography
- Wildfire Prevention and Monitoring
- Maritime Inspection
- Road Condition Assessment
- 3D Modeling
- Search and Rescue Operations

- Aerial Reconnaissance
- Enhanced Targeting
- Delivery of Munition
- Extended Data Transmission in GPS/GNSS Denied Environments

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