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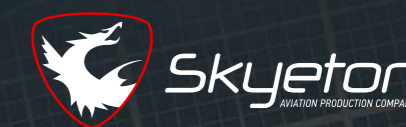
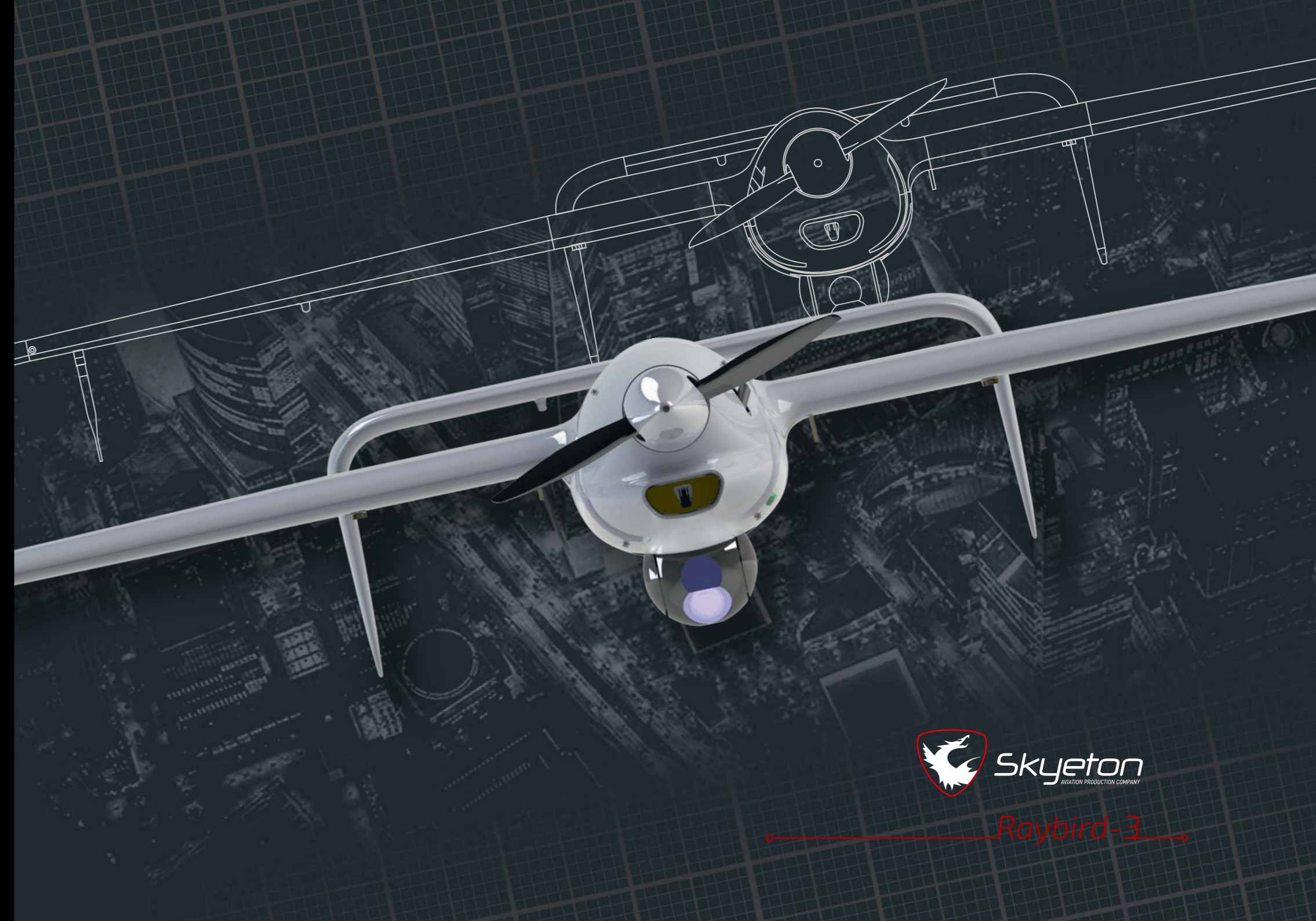
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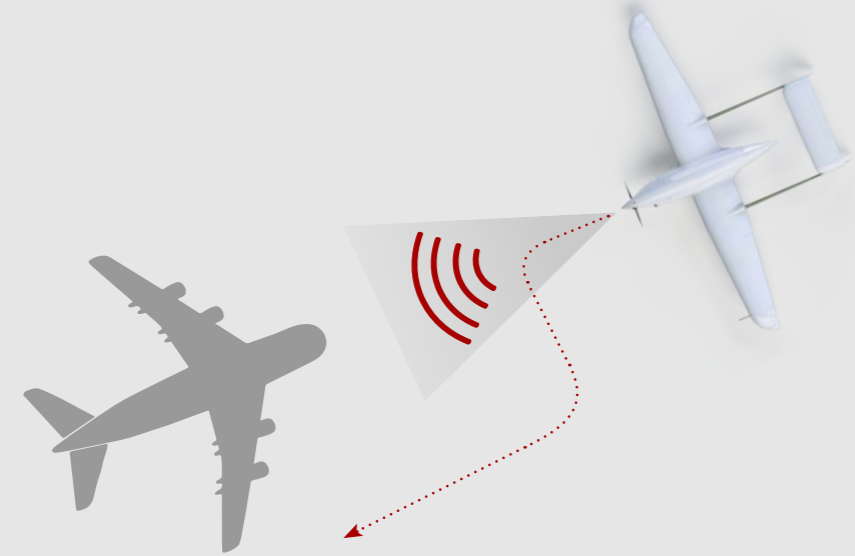
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Raybird-3

Resilience

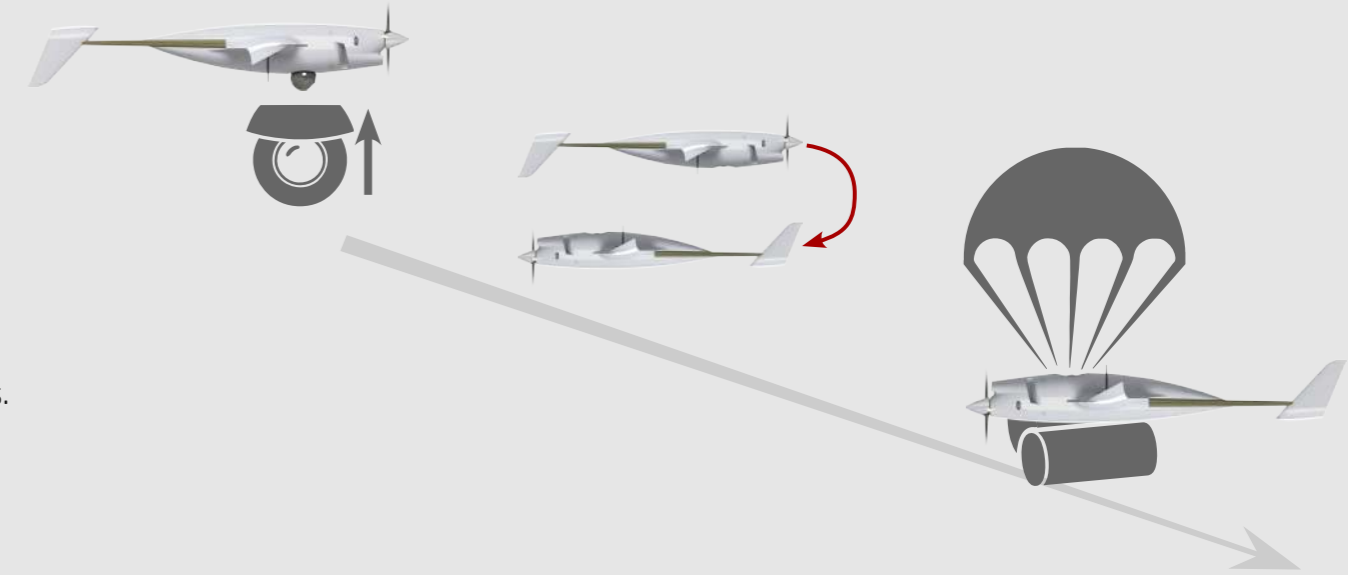


Safe and reliable

- Duplicated vital elements.
- Collision avoidance system.
- Encryption of telemetry and digital data links.
- Composite airframe .
- Tractor propeller.

Protected payload

- Gimbal retract mechanism.
- Parachute recovery.
- Flip-over landing.
- Optimised drag due to downward facing winglets.



Autonomous system

- Reduction of human error occurrence.
- Automatic take-off and landing.
- High accuracy Inertial Navigation System (INS).

Technical specifications

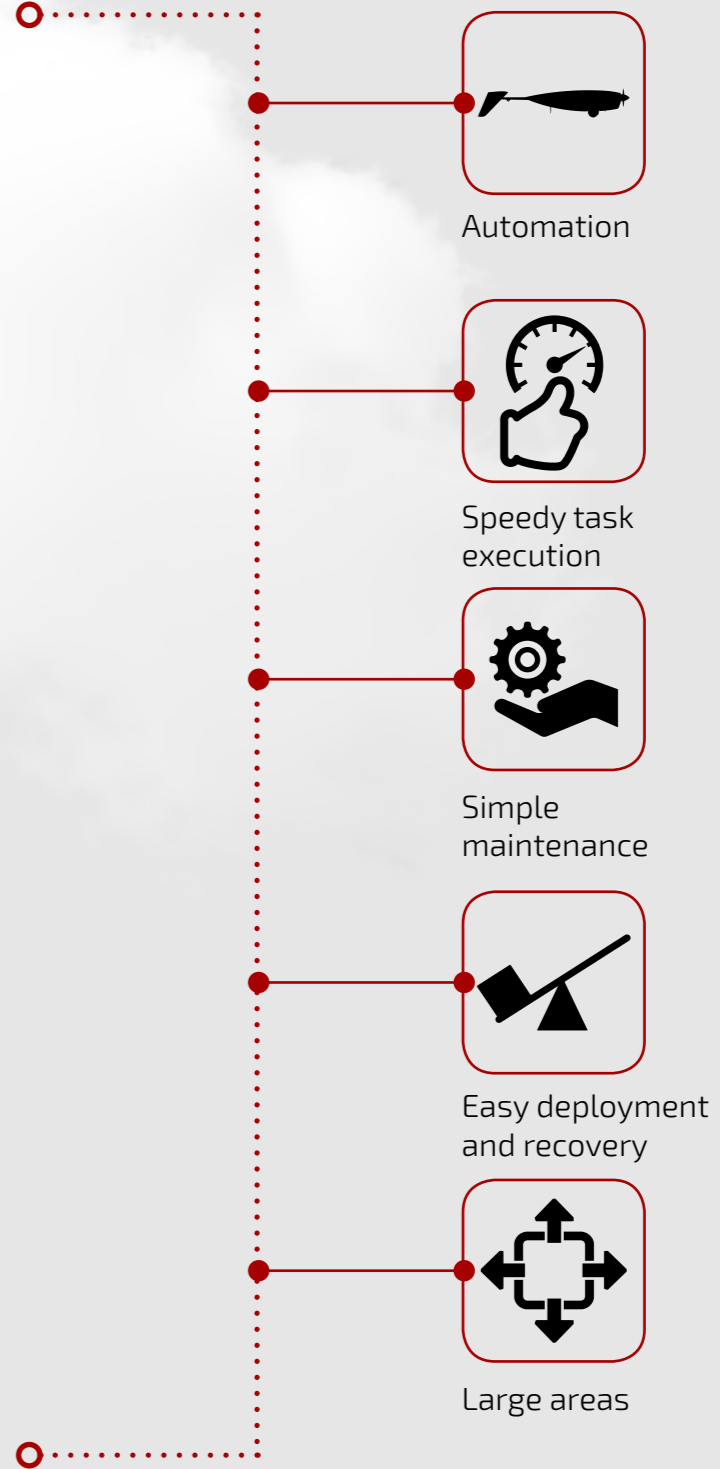
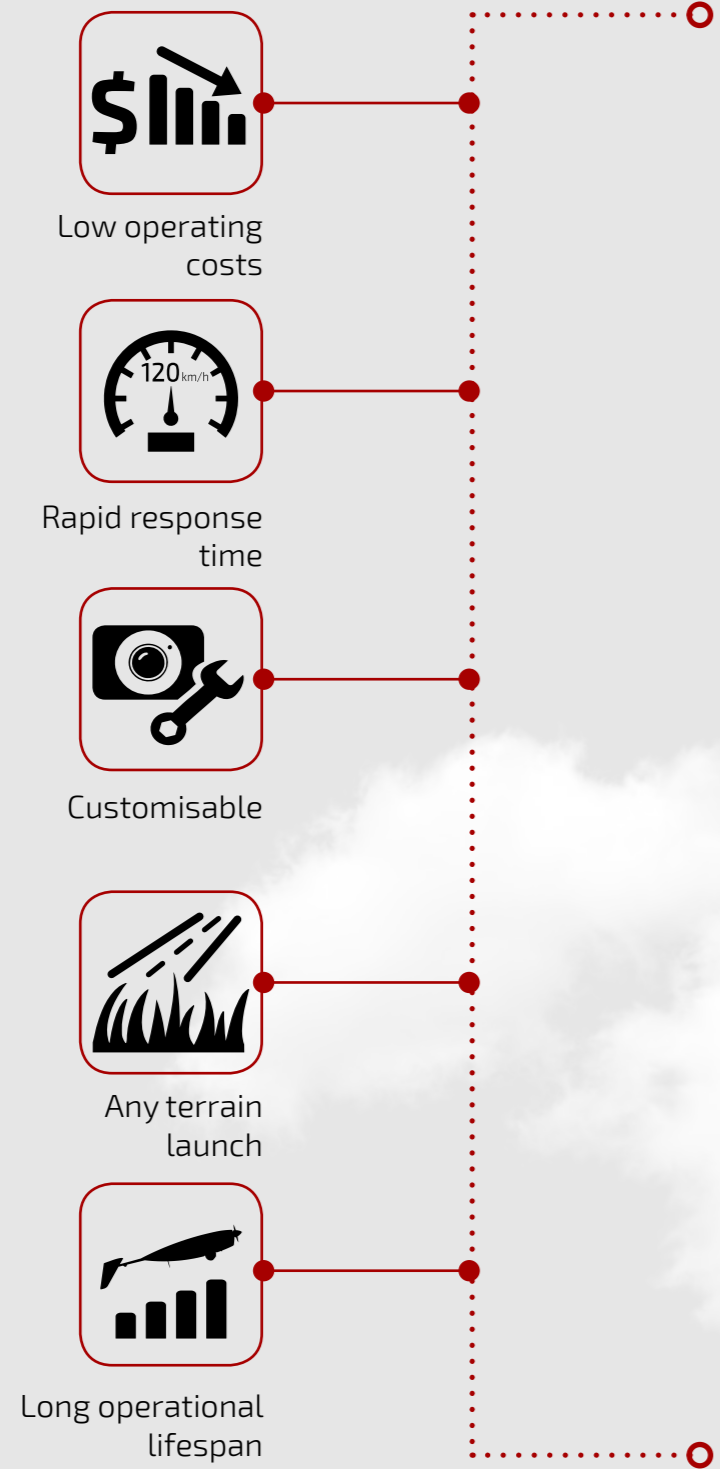
Wingspan.....	3 m
MTOW.....	20 kg
Payload.....	up to 5 kg
HD real-time video transmission.....	100+ km
Direct control mode.....	200+ km
Automatic flight mode.....	2000+ km

Cruise speed.....	120 km/h
Maximum speed.....	160 km/h
Operating ceiling.....	3000 m
Flight time.....	20+ h
Fuel.....	95 Octane, oil mix
Unpack to launch time.....	15 min

Resilience

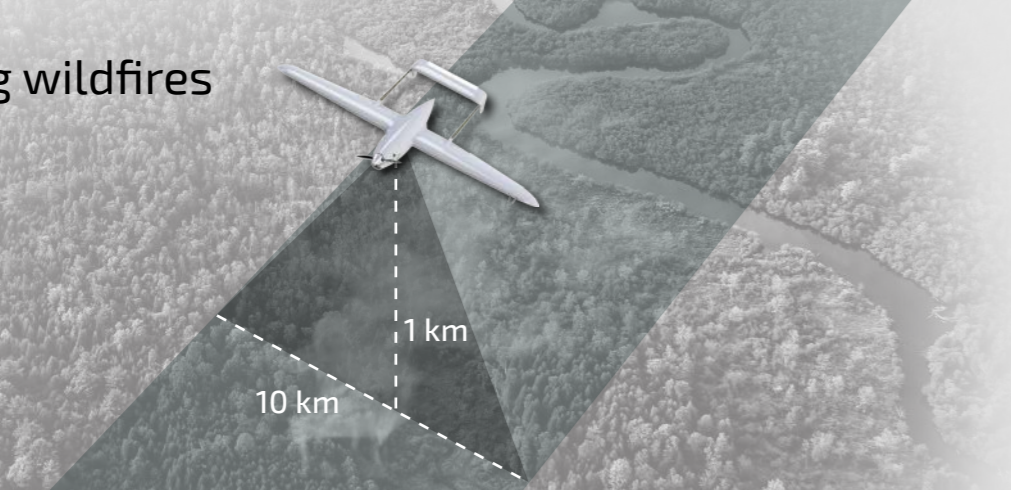


Effectiveness



Effectiveness

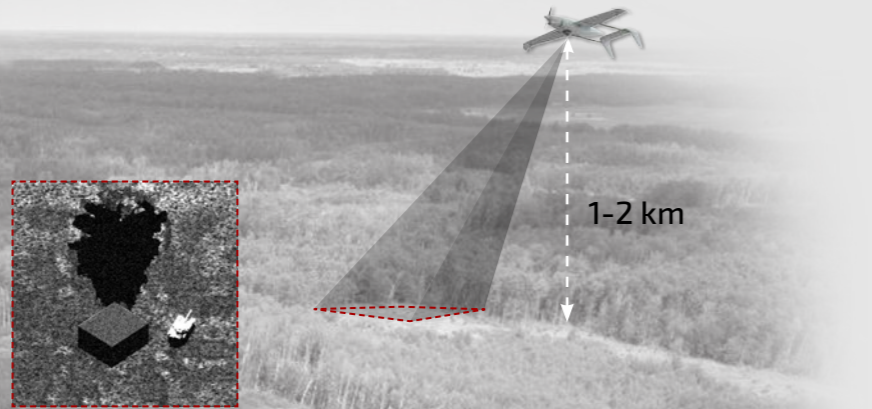
Preventing wildfires



1

LARGE AREAS

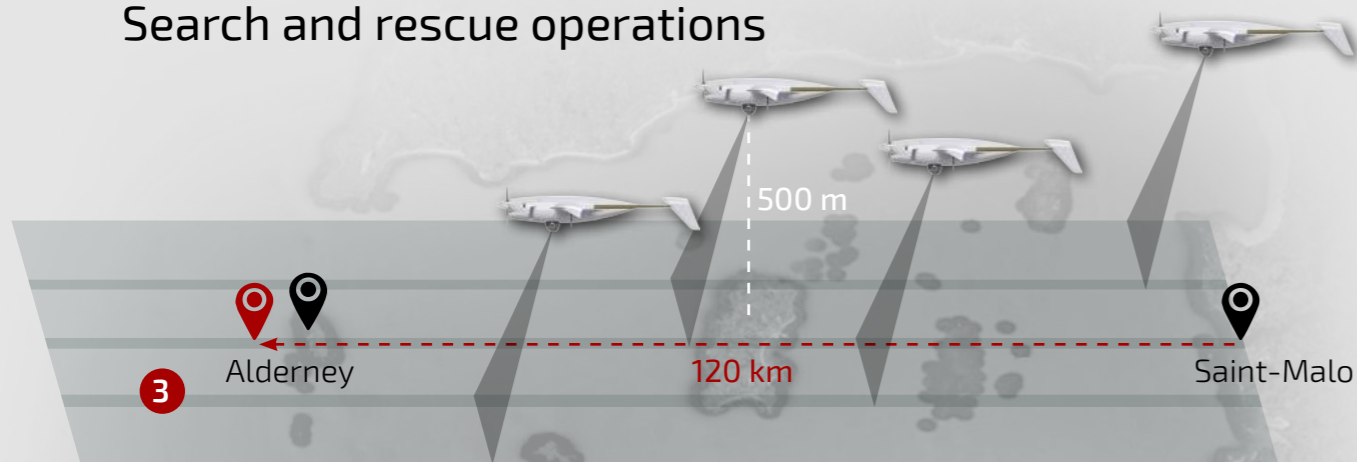
ISTAR missions



2

LARGE AREAS

Search and rescue operations



3



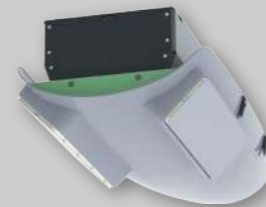
Gyro-stabilised multi-sensor gimbal

1 2 3 4 5



Aerial photo camera

2 3 4 5



Synthetic-aperture radar (SAR)

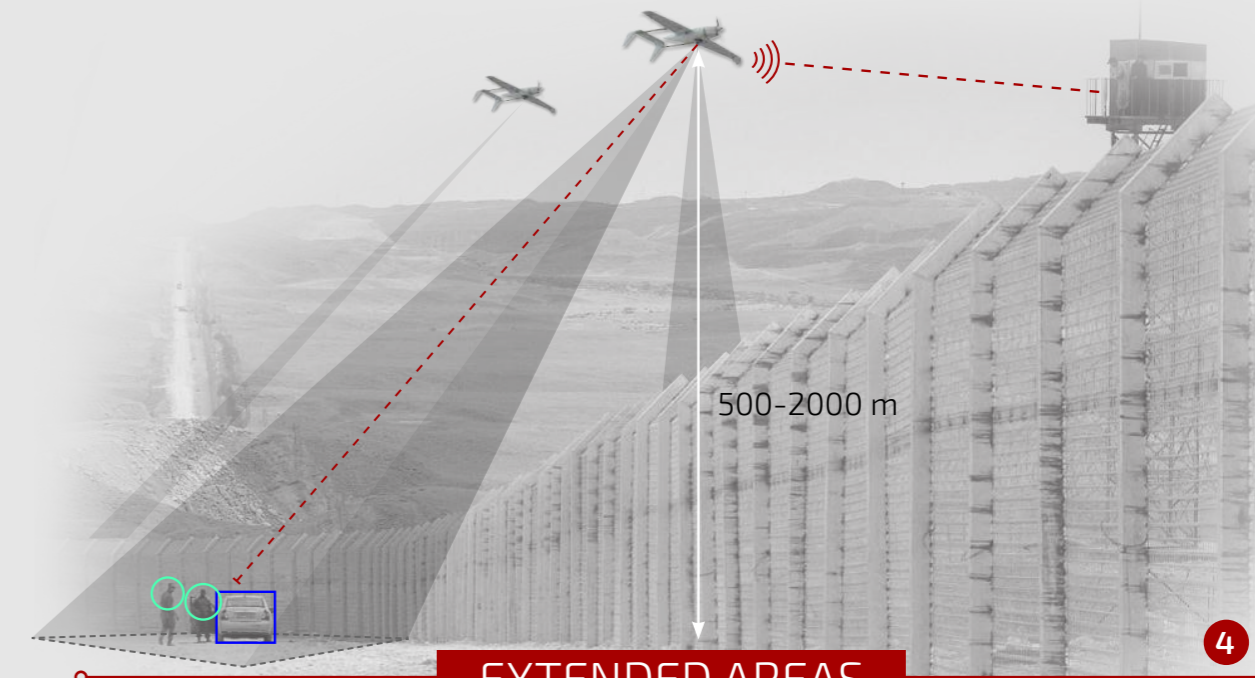
2



Multispectral camera

1 2 5

Improving border surveillance



Pipelines monitoring



EXTENDED AREAS

4

5