

SKYETON

Raybird vs Trinity Pro

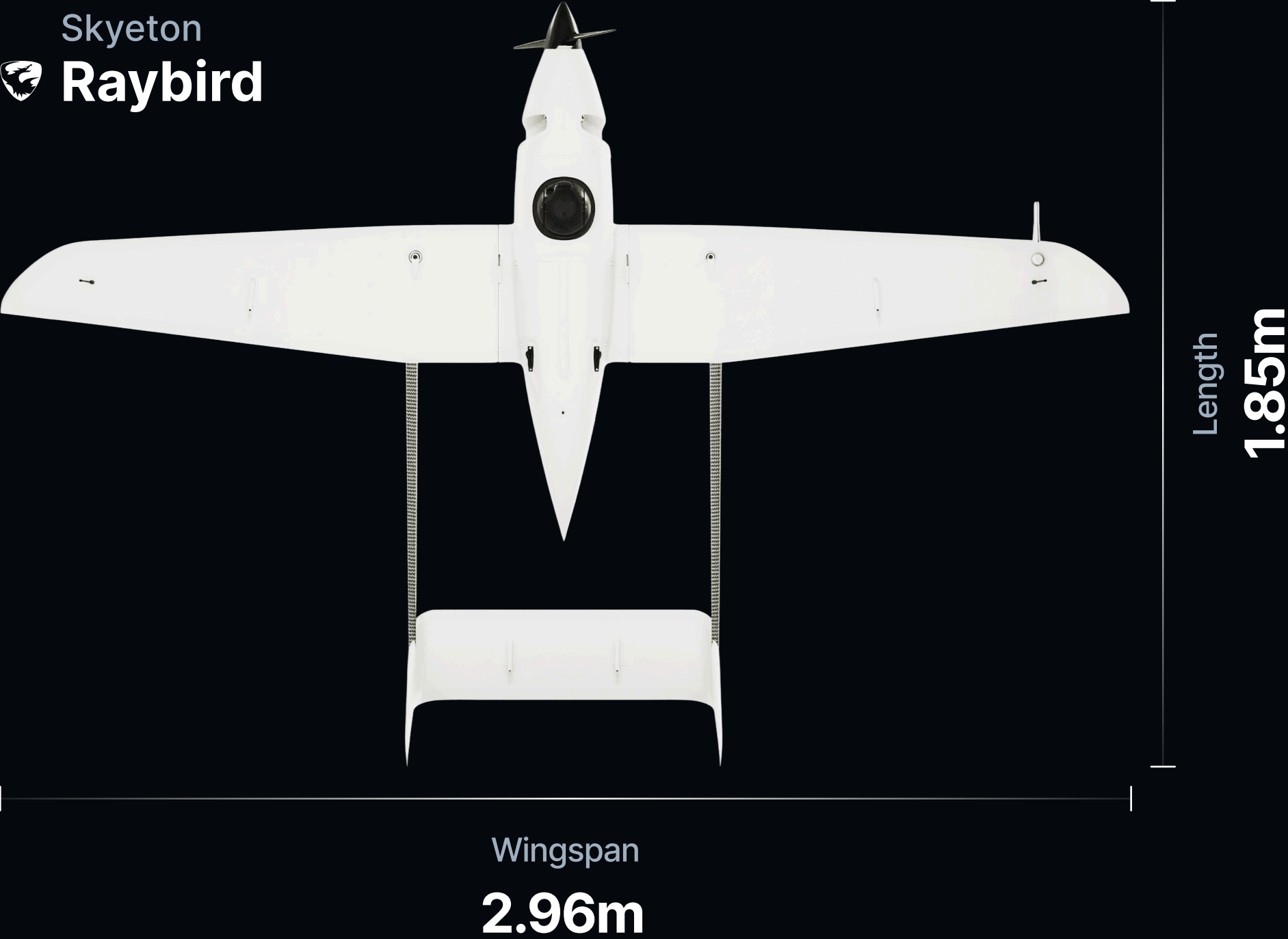


A Performance Comparison for Serious Surveillance Missions

Skyeton © 2026

Size Comparison

Scale, weight, and footprint — side by side



Height	Wingspan	Length	Payload	MTOW	Height	Wingspan	Length	Payload	MTOW
0.50m	2.96m	1.85m	5–10kg	23kg	0.26m	2.50m	1.17m	~1kg	5.75kg

Sk yeton Raybird



\$560.000 +VAT



TECHNICAL SPECIFICATIONS

Flight Endurance
28+ hours

Wingspan
2.96 – 4.2 m

Max Take-Off Weight
23 kg

Max Mission Range
2,500 km

Operational Ceiling
5500 m

Telemetry Link Range
up to 220 km

Payload Capacity
5–10 kg

Cruise Speed
80 / 110 / 140 km/h

Engine Type
EFI four-stroke engine

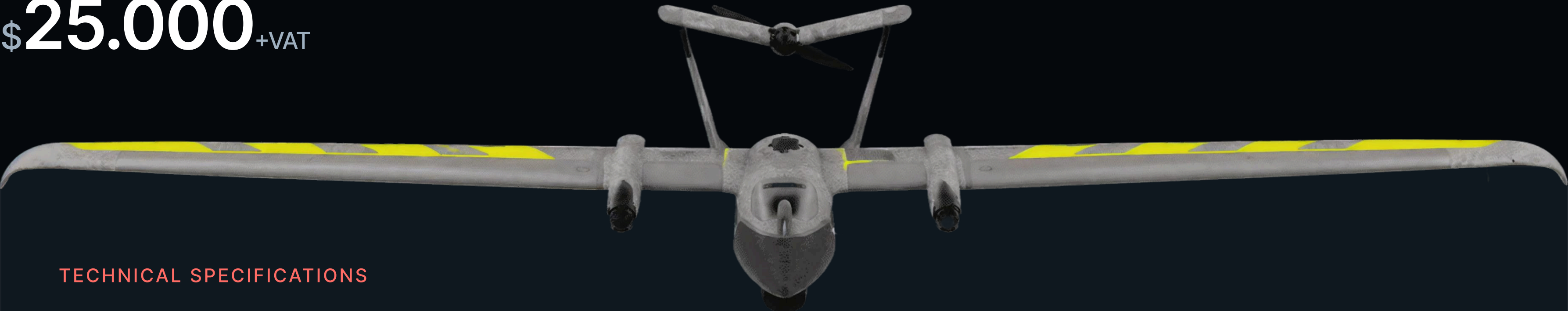
Fuel Type
Gasoline AI-95

Deployment Time
up to 25 min

Operating Temperature
-35°C to +55°C

Quantum Systems Trinity Pro

\$25.000^{+VAT}



TECHNICAL SPECIFICATIONS

Max Endurance
90 minutes

C2 Link Range
5–7.5 km

Max Take-Off Weight
5.75 kg

Cruise Speed
~57 km/h

Ceiling
5,500 m MSL

Temperature
–10°C to +40°C

Payload Capacity
~1 kg

Deployment
~10 min

Engine Type
Brushless electric motors (x2)

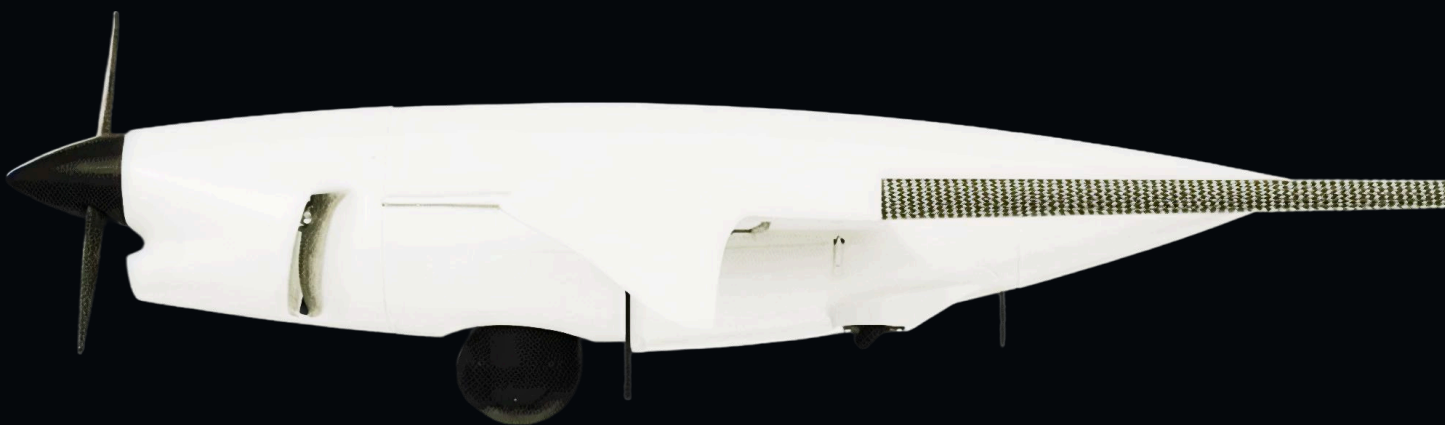
Launch
VTOL

Certification
EASA C3

Wind Resistance
up to 12 m/s sustained, gusts 18 m/s

Real Capabilities

Real Missions



REAL-WORLD MISSION SCENARIOS

Who Wins in the Field?

Mission	Skyeton  Raybird	Quantum Systems  Trinity Pro
 Wildfire overnight monitoring	 1 sortie, full night	 18+ relaunches
 Search & rescue in remote terrain	 Continuous 220 km coverage	 Team must follow drone
 Precision land survey (500 ha)	—	 Ideal tool

Payload Capacity Changes Everything



Skyeton
 **Raybird**

5–10 kg payload

- ✓ Full EO/IR dual-axis gimbal
- ✓ High-res thermal camera
- ✓ AIS / comms relay
- ✓ Multiple sensors simultaneously



Quantum Systems
 **Trinity Pro**

~1 kg payload

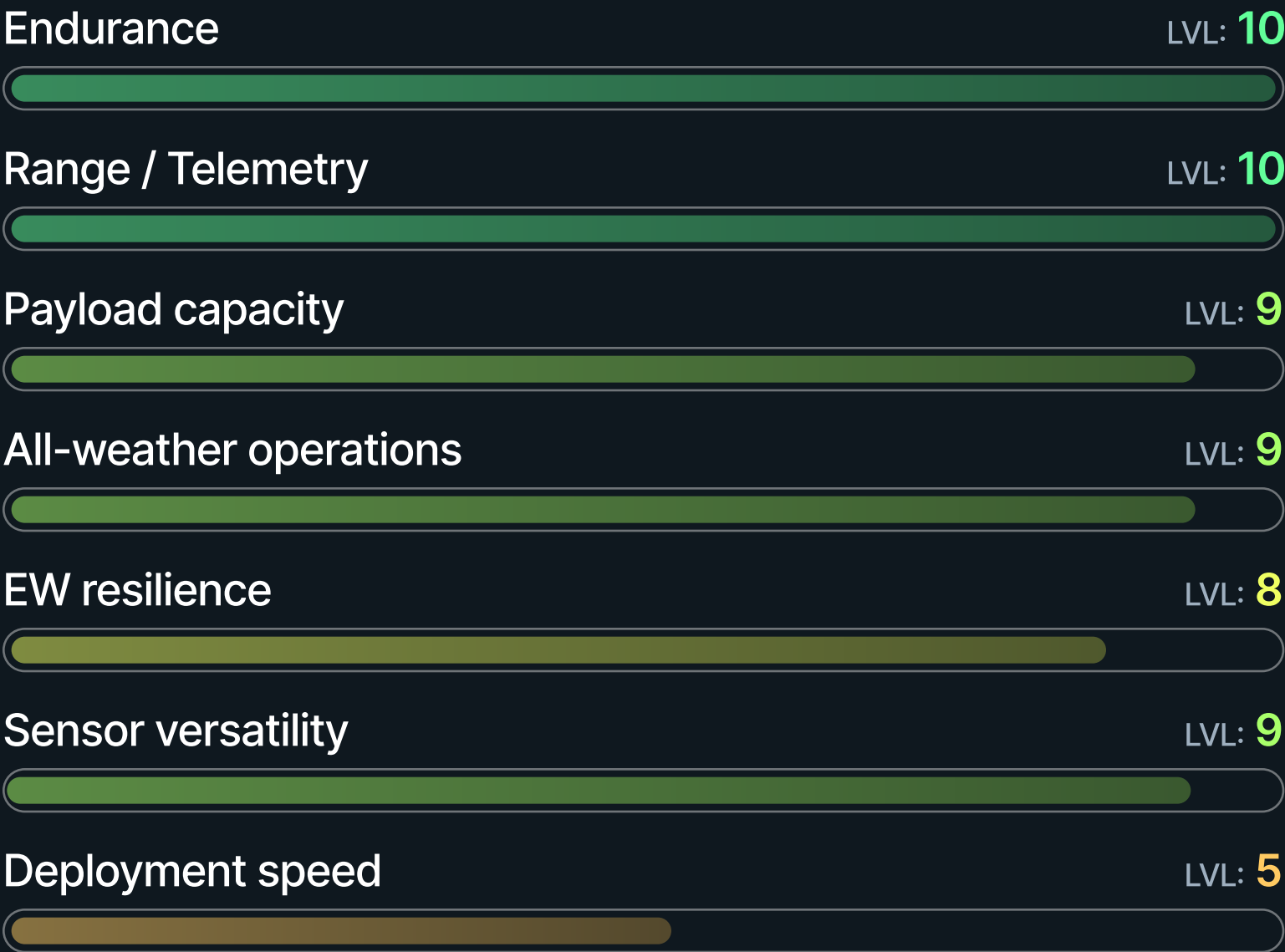
- ✓ Lightweight mapping camera
- ✗ No room for thermal + EO together
- ✗ No space for relay equipment
- ✗ No laser designator

28 Hours **vs** 90 Minutes

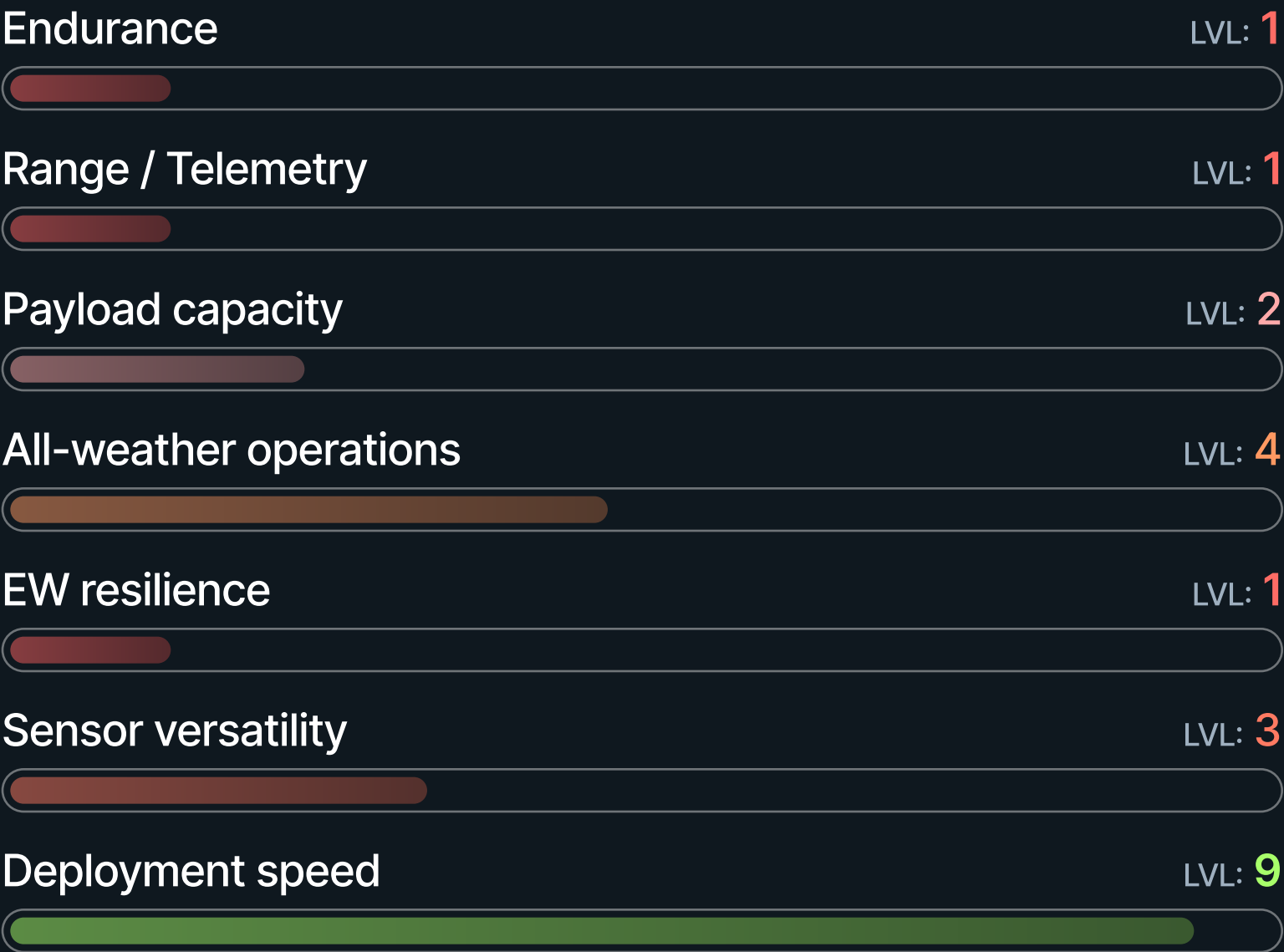
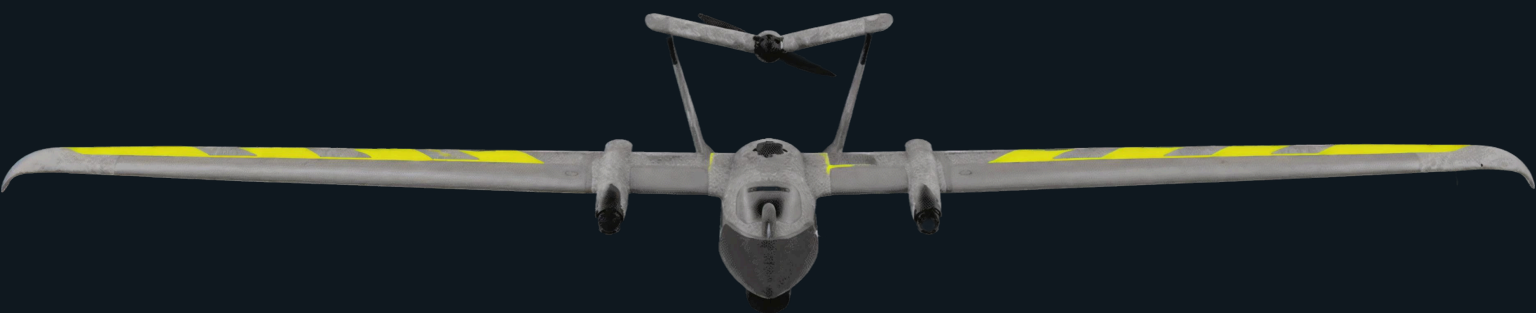
Raybird stays in the air while Trinity Pro lands and relaunches 18 times

VS

Skyeton
Raybird



Quantum Systems
Trinity Pro



24H COVERAGE METRIC

1 sortie

28h × 110 km/h · 0 relaunches

3.080 km

4.5x
more territory covered

🔥 Wildfire overnight

S+

🔍 Search & Rescue

S+

🛡️ Border patrol 24h

S

🏗️ Infra inspection

A

🗺️ Precision mapping

C

S+ Elite · S Pro · A Advanced · B Good · C Average · D Weak · F Fail

Surveillance score

Catapult · Gasoline EFI

85/100

24H COVERAGE METRIC

8+ sorties

8 × 85.5 km · crew present 24h

684 km

18x
relaunches

🔥 Wildfire overnight

D

🔍 Search & Rescue

D

🛡️ Border patrol 24h

F

🏗️ Infra inspection

B

🗺️ Precision mapping

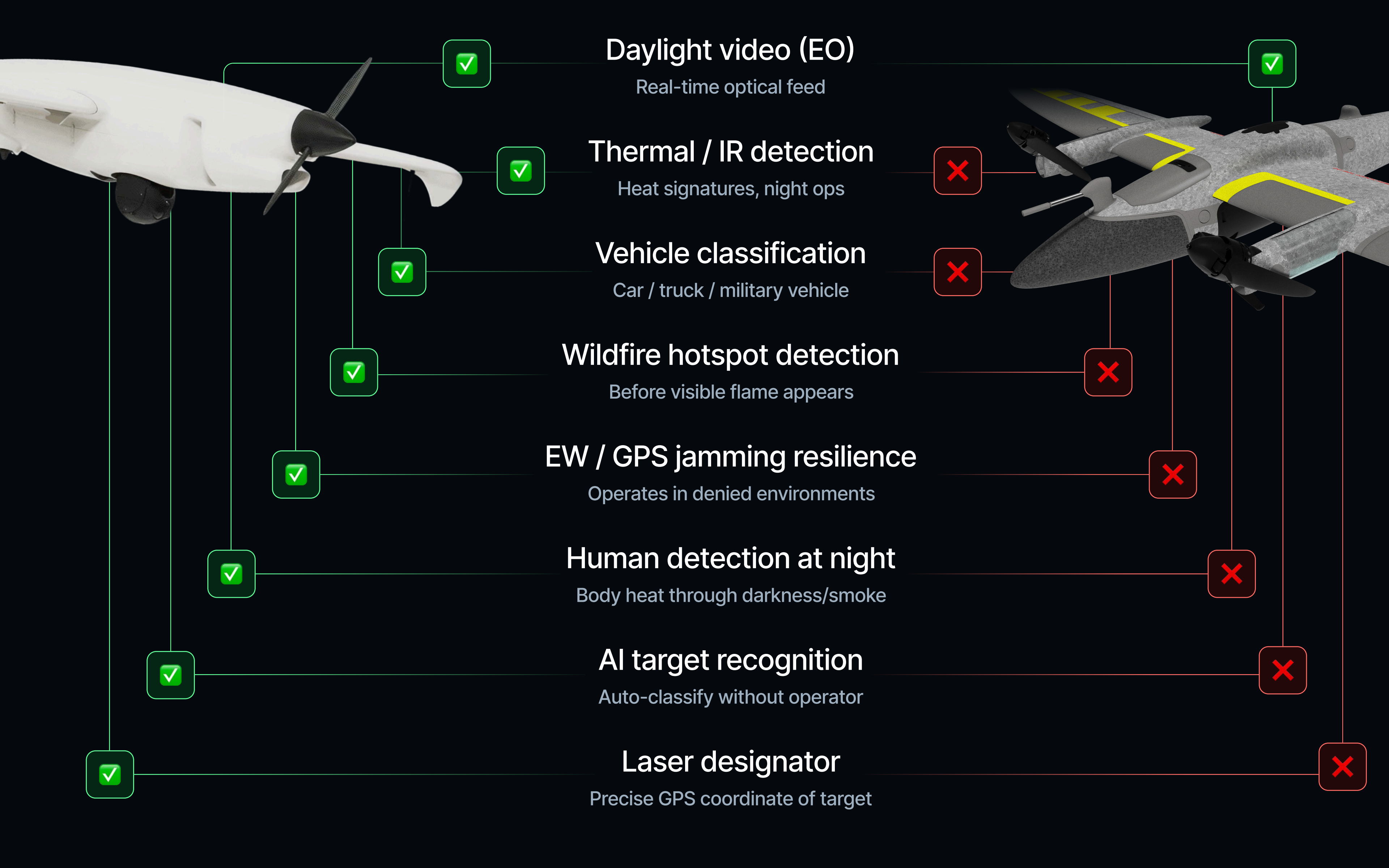
S

S+ Elite · S Pro · A Advanced · B Good · C Average · D Weak · F Fail

Surveillance score

VTOL · Electric Li-ion

29/100



Daylight video (EO)

Real-time optical feed

Thermal / IR detection

Heat signatures, night ops

Vehicle classification

Car / truck / military vehicle

Wildfire hotspot detection

Before visible flame appears

EW / GPS jamming resilience

Operates in denied environments

Human detection at night

Body heat through darkness/smoke

AI target recognition

Auto-classify without operator

Laser designator

Precise GPS coordinate of target

Quantum Systems
Trinity Pro



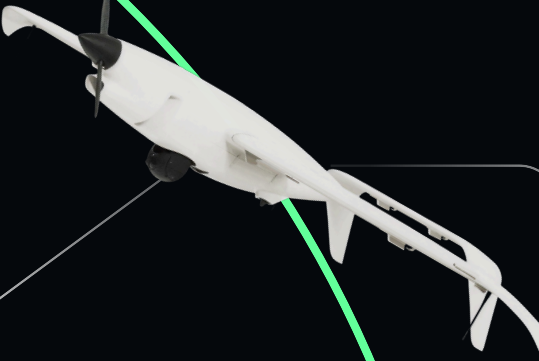
Coverage area
177 km²

7.5 km
Max operator range



Operator

220 km
Max operator range



Skyeton
Raybird

Coverage area
152,000 km²

MAX OPERATOR RANGE · COVERAGE RADIUS

Skyeton
Raybird

Max operator range 220 km
Coverage area 152,000 km²
Circles at max radius* 2.2×

\$560.000

+VAT

Quantum Systems
Trinity Pro

Max operator range 7.5 km
Coverage area 177 km²
Circles at max radius* 1.8×

\$25.000

+VAT

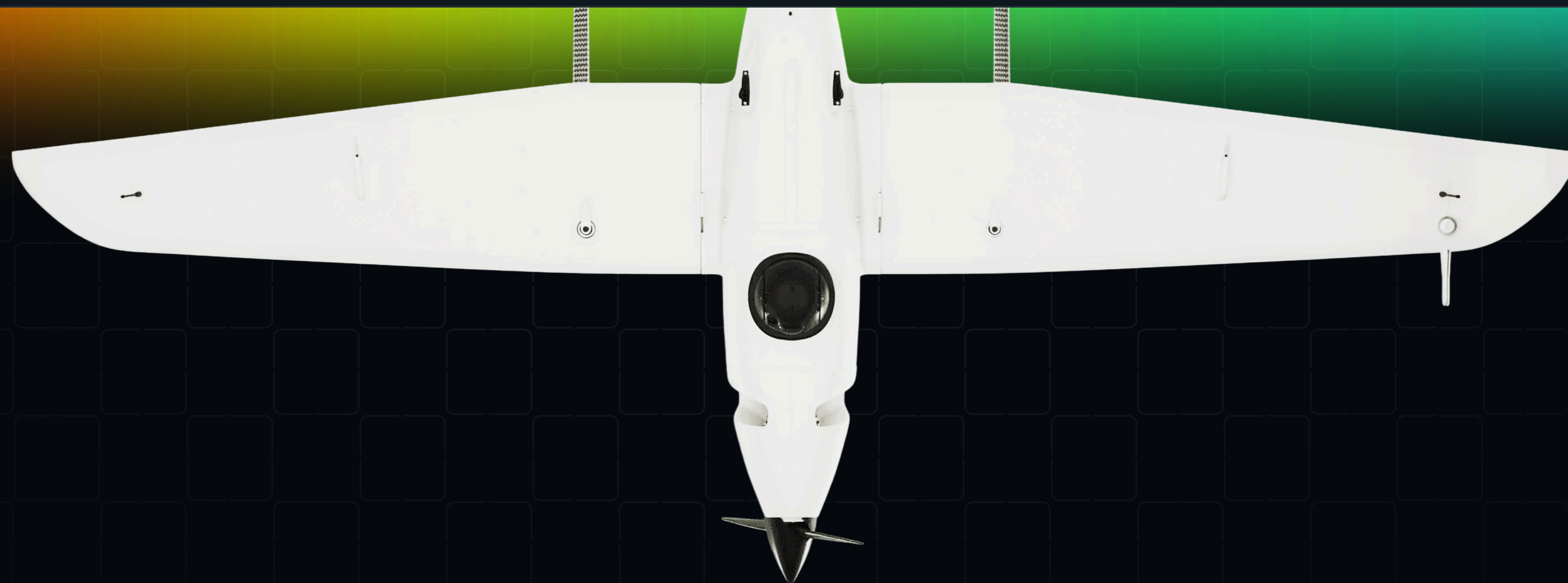
AREA ADVANTAGE

more territory from
one ground station

860×

THE VERDICT

Different Tools One Clear Winner for Surveillance



***When the mission doesn't stop,
neither does Raybird***



About Skyeton

Manufacturing in Ukraine + Slovakia

Deployed across civilian and security sectors in Europe

Active partnerships with European defense

Continuous product development driven by real field mission

Developing next-generation UAV platforms

80% in-house components

Provides operator training and mission planning support

300,000+ mission hours logged

1,000+ UAV systems delivered

Full after-sales support

Produced internally — no third-party dependency

EU manufacturing in Slovakia

Civil protection agencies

Team covering aerodynamics, electronics, and software

Maintenance, spare parts, and system upgrades

Contact the Skyeton team to discuss your mission requirements and system configuration

 Contact Us → skyeton.group/contact

 Explore Product → skyeton.group/product

