

SOKIL

The reconnaissance UAV already performing tasks on the front lines of Ukraine.

Achieving significant increases in flight time with Tulip Tech batteries.

Noticing the potential benefits of using Tulip Tech batteries, VYRIY took a step-by-step approach to integrating new cells. These latest Tulip Tech batteries have a capacity of 350 Wh/kg at the cell level, but we can go up to 525 Wh/kg, which can sometimes double the flight time of fixed-wing drones.

For a reconnaissance drone like SOKIL, every extra minute of flight means longer missions, more intelligence, better decision-making, and safer troops on the ground.

OLD BATTERY

30.000 mAh
2.7 Kg

+30%

TULIP TECH BATTERY

39.000 mAh
2.5 Kg

“ Testing of TulipTech batteries for our other products shows that they perform much better than conventional batteries of the same weight and shape. The estimated increase in flight time is approximately 20-30%.

We plan to complete testing for our other multi-purpose products and order more TulipTech batteries, as they significantly improve the performance of our UAVs.

Bohdan Diorditsa

Head of Strategic Relations at Vyriy Industry

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Discover the Sokil

The unmanned aviation system “Sokil Recon” is designed to perform combat missions including aerial patrol, reconnaissance and spotting corrections. The system consists of 3 UAVs, a ground control station, and a video communication unit. Deployment of the system and preparation for flight by a three-person crew takes 15-20 minutes.



2500 M
MAX FLIGHT
ALTITUDE

1400 M
OPERATIONAL
FLIGHT ALTITUDE

170 KM
MAX FLIGHT
RANGE

2H30
MAX FLIGHT
ENDURANCE

130 KM/H
MAX SPEED

8 KG
MAX TAKE-OFF
WEIGHT

Specifications

UAV TYPE	FIXED-WING AIRCRAFT
DIMENSIONS	WINGSPAN 2380MM, LENGTH 2210MM, HEIGHT 260 MM
EMPTY WEIGHT (NO BATTERY / PAYLOAD)	5 KG
OPERATING TEMPERATURE RANGE	-10 TO +40 °C
MIN. SPEED	65 KM/H
CRUISING SPEED	75 KM/H
TELEMETRY FOR FREQUENCY FLIGHTS (GCS CONNECTION VIA USV/SERIAL, TCP, UDP)	AVAILABLE, TCP CONNECTION SUPPORTED
SATELLITE NAVIGATION SYSTEM	GPS, GLONASS, GALILEO, BEIDOU, OTHERS
FLIGHT MODES	AUTOMATIC, SEMI-AUTOMATIC, MANUAL
PROPULSION SYSTEM	ELECTRIC MOTOR
LAUNCH METHOD	HAND-LAUNCHED

