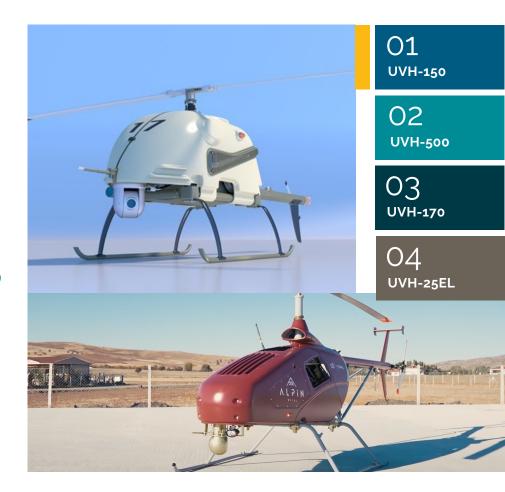
## UVH-150

## **DINKWANYANA**AEROSPACE

- The converted Alpin UAV, which is based on the manned Heli-Sport Italian CH7 helicopter completed the flight over Turkey and is an important step in the vehicles' entry onto the Turkish market.
- The Alpin UAS is a long range, heavy lift unmanned helicopter capable of carrying up to 160 kg within a range of up to 840 km. The UAS includes a wideband satellite communication channel from its command-and-control station a valuable feature, particularly for operations in remote areas.
- The Alpin's system autopilot has features and advantages such as fully autonomous takeoff and landing, remote Ground Controls network capability, autorotation landing capability and high efficiency flight control, based on TECS (Total Energy Control System).
- Aliaksei Stratsilatau, CEO and Lead Developer at UAVOS, stated: "With COVID-19 the demand for UAV cargo, crucial to the delivery of medical supplies, medicines, food, and other necessary equipment, is on the rise."
- The UVH -500 has been created as a part of UAVOS's pilot into unmanned aircraft conversion programme and addresses the growing market of UAV cargo delivery. Measuring 23 ft (7 meters) long, 5 ft (1,50 meter) wide and 7,7 ft (2,35 meters) tall, and with a rotor diameter of 20,6 ft (6,28 meters), it is capable of carrying up to 353 lb (160 kg) with a range of up to 522 mi (840 km).
- In general, the total flight time of UAVOS solar powered test aircraft is more than 1000 hours with test flights taking place at an altitude of up to 62 feet (19,000 m).



## UVH-150

## CONTINUED

PARAMETERS	VALUE	PARAMETERS	VALUE
Maximum cruising speed	80 km/h	Max. climbing capacity	5 m/s
Maximum speed	120 km/h	Max. wind speed during takeoff or landing	14 m/s
Length	2230 mm	Range of operation	400 km
Main rotor diameter	2500 mm	Practical ceiling	2100 m
Height	860 mm	Flight time (max.)	4 h
Wheelbase	750 mm	Parachute	ballistic
Engine type	Four-stroke	Onboard power supply	12 V
Engine capacity	9.5 kW	Altimeter	Laser
Payload with full fuel tank	1 kg	TBI (inspections, maintenance)	200 h
Max. Payload	5 kg		
Max. takeoff weight	58 kg		

(27 kts) n (<mark>6800 F)</mark>

01 UVH-150

02 UVH-500

03 UVH-170

04 UVH-25EL