

UPL Cargo UAV (Unmanned Aerial Vehicle)

This UAV supports small-scale logistics via air transport.

The UPL CARGO features a high payload capacity relative to its dimensions—capable of transporting items up to 20 kg and with a span of 2 meters.

It can be powered either by an internal combustion engine or electrically, offering a range of up to 2000 km. Its high maneuverability, short takeoff distance, and vertical landing capability (resembling a “parachute drop”) are key benefits.

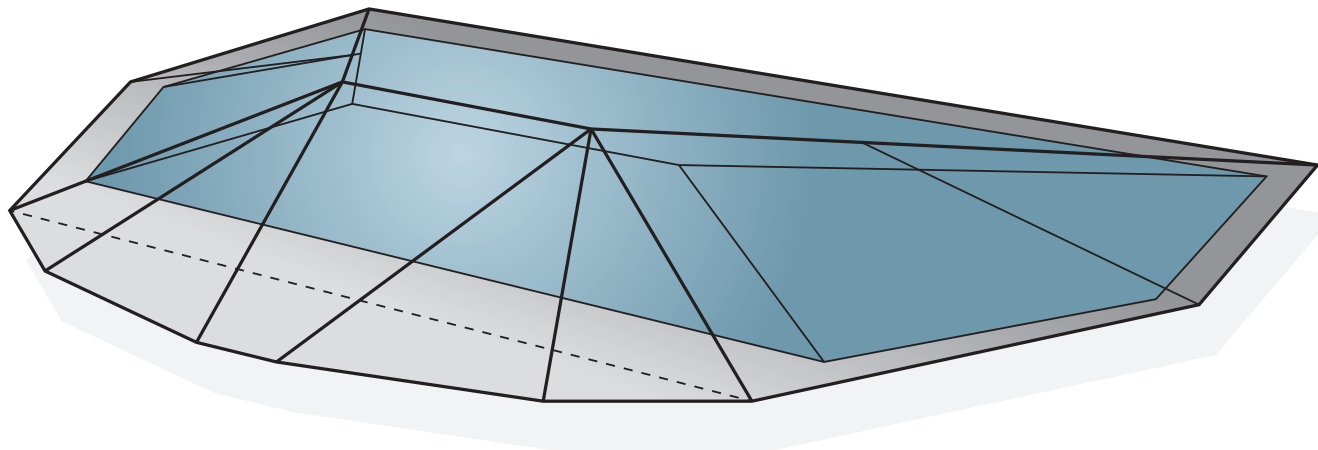
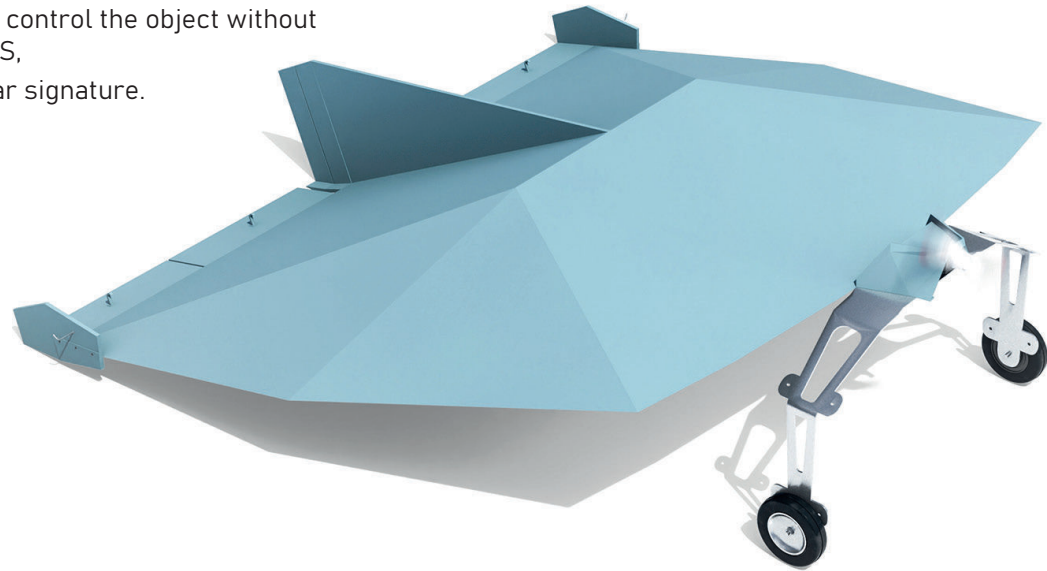
The design is scalable for different payloads, has a low radar signature, and can be controlled without the need for GPS.



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Main features of UPL CARGO:

- Generation of lift through vortex flows,
 - Takeoff from unprepared terrain after a short run,
 - Vertical landing, known as parachute landing,
 - High stability and a wide range of flight speeds,
 - High maneuverability,
 - Unusually large cargo space compared to the overall dimensions of the object,
 - High payload capacity (20 kg-44 lbs for an object with a 2 m-6.56 ft wingspan) relative to its own dimensions, with the ability to suspend cargo underneath without losing flight properties,
 - Long flight time (range up to 2000 km-1243 miles),
 - The design is scalable both up and down,
- Use of either a combustion or electric propulsion system,
 - Ability to control the object without using GPS,
 - Low radar signature.



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