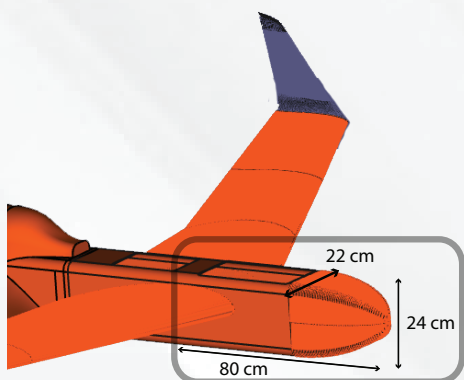


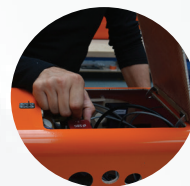
BOREAL LAB

The **BOREAL UAV LAB (Science LABoratory)** is a fixed-wing UAV for long range scientific missions up to 500mn (8h).

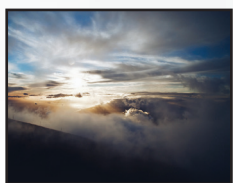
The drone has shown remarkable stability for flying in harsh environment (wind, turbulence, precipitation). The payload area is large and can accommodate complex payloads up to 11lbs (5kg).



Custom Payload Integration



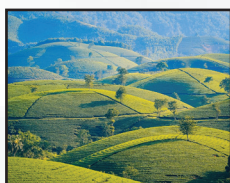
Use Cases Examples



METEOROLOGY



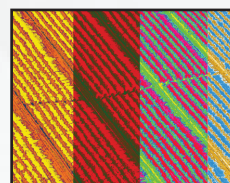
TURBULENCE



GRAVIMETRY



SPACE
TECHNOLOGY



IMAGERY

Key Features

- ✓ Heavy payload capacity
- ✓ Custom payload integration
- ✓ Autopiloted system
- ✓ Strong wind and rain resistant
- ✓ Stable flights
- ✓ All terrain compatible
- ✓ ITAR free



Payload: 11lbs



Distance: 500mn



Power: 150W

Examples of European Projects



Technical Specification

UAV	Maximum Take Off Weight: 55lbs (25kg) Long Range: 500mn (8h) Minimum Speed: 38kt (70km/h) Maximum Speed: 70kt (130km/h) Maximum Altitude: 3500m
PAYLOAD	Payload Space Dimension: 31x8x9in (80x21x23cm) Custom Fixing (anywhere on the flat side) Power Supply: 12v-15v 150w
DATA LINK	3 mb/s over 32mn (60km) 1 mb/s over 53mn (100km) 1 kb/s beyond 53mn (100km)
MONITORING	Payload Supply Command (ON/OFF) from ground Real Time Data Link for Monitoring