ExSTOL

New UAV able to stay in the air more than 50 hours and to take off and land on short distance and unprepared surface.

ExSTOL : ***Ex**trem **S**hort **T**ake **O**ff and **L**anding*

MAIN CHARACTERISTICS ARE :

- Landing in 90 m (DF15)
- Takeoff in 98 m (DF15)
- 200 hp (2 Trident engines of 100 hp each)
- Empty weight 650 kg
- Payload 400 kg (Payload + Fuel)
- Max load 1050 kg (MTOW)
- Wingspan 8m
- Minimum speed: 36km/h
- Maximum speed: 280 km/h
- Endurance:
  - 52 h (with 50kg payload)
  - 20 h (with 250 kg payload)
- Scale model flying with a wingspan of 3.2 m

make life easier, more efficient, and more productive.

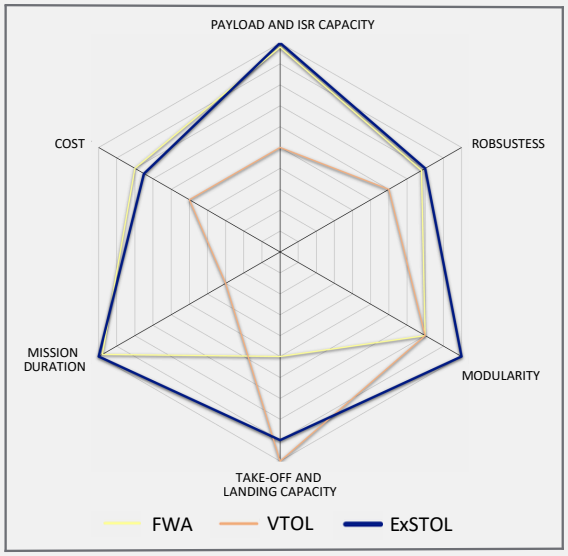




ExSTOL UAV CONCEPT HAS BEEN PROVEN THANKS TO :

- CAD analysis;
- CFD and 2400 simulations;
- Wind tunnel test (total 8 weeks);
- 20 flights at reduced scale;
- Two patents have been filled.

UAV VECTOR TYPE COMPARISON



We are now looking for partners to move forward to the next step of this project.

Contact Us

Technopôle du circuit
58470 Magny-Cours
FRANCE

Danielson Aircraft Systems
+33 (0)3 86 21 88 10
contact@danielson-as.fr

Aero Concept Engineering
+33 (0)3 86 58 01 65
+33 (0)6 14 46 60 68
alexis.lapouille@aero-ce.com