

Advanced Regional Air Mobility

ZURI Dronedge 2022 (Computer Generated Image)



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ZURI hybrid VTOL

Hybrid aircraft capable of vertical take-off (VTOL), with great range and payload capacity thanks to combination of turbine generator and electric accumulators.



VTOL
for flexibility



STOL
for efficiency



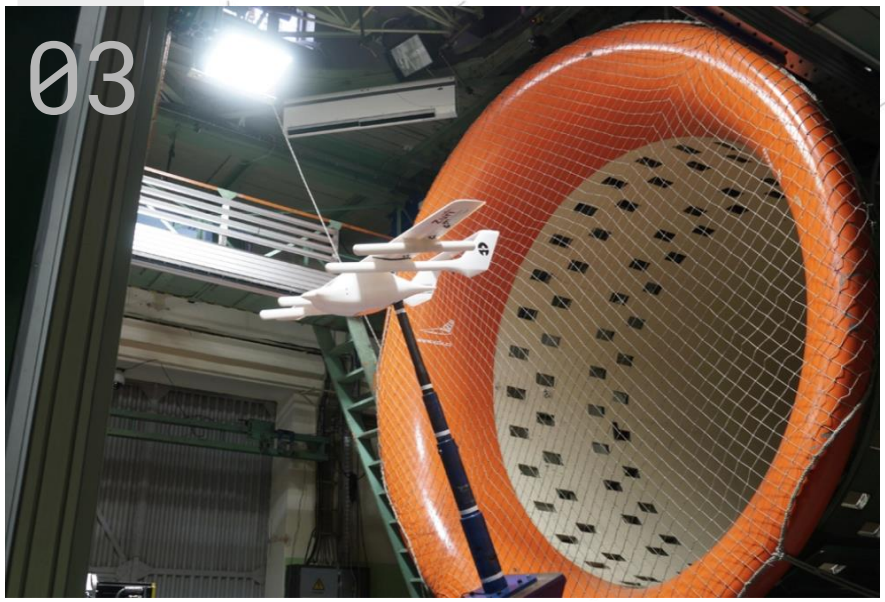
Hybrid powertrain
extending range



Biofuel enabled
turbine engine



Very low
acoustic signature





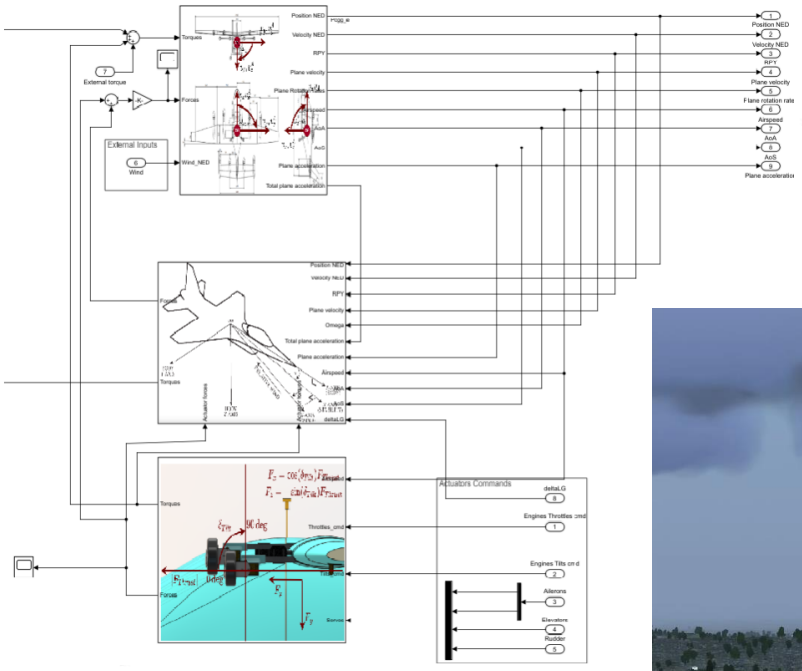




04 Design ⇒ Development ⇒ Simulations

- Model based development ⇔
- Hardware

⇘



- FLIGHTGEAR FLIGHT SIMULATOR



05 Real world experiments

Flight tests

- structural vibration filtering

⇳

- artificial horizon
- mixture of aerodynamics surfaces
- ground speed ↔ air speed
- mission plan

Verifications

- evaluation of the specific parameters of the aircraft

06

Flight tests

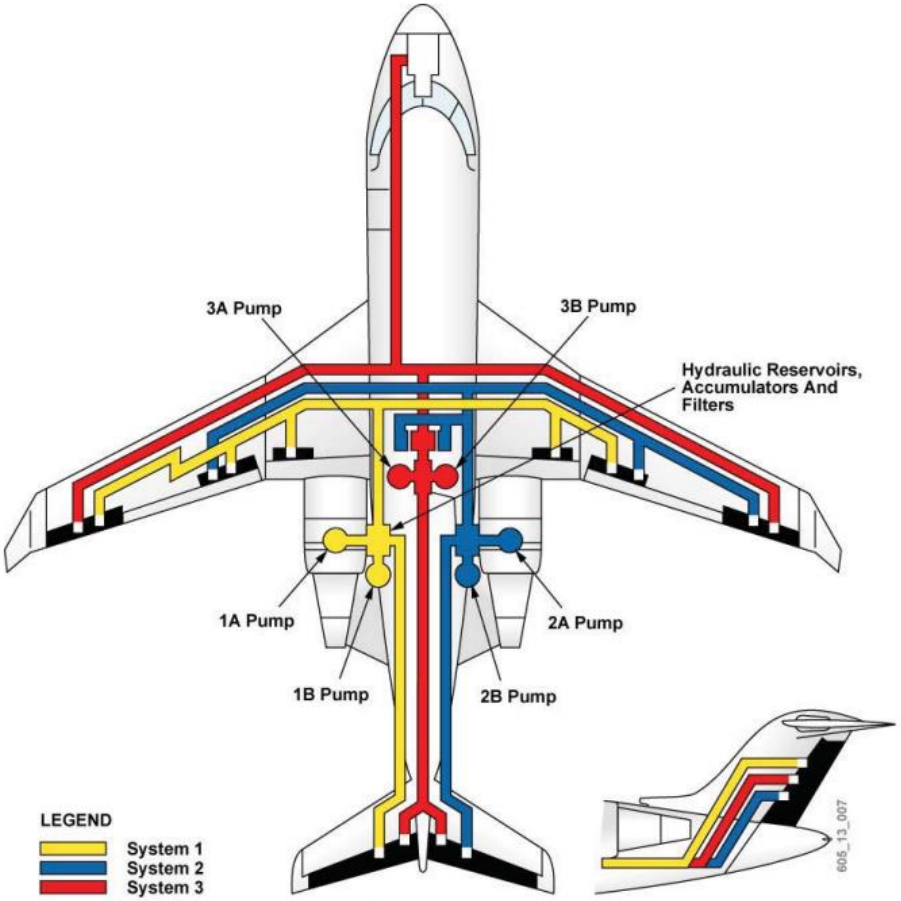


Subscale model (ZURI 2.0 Drone)



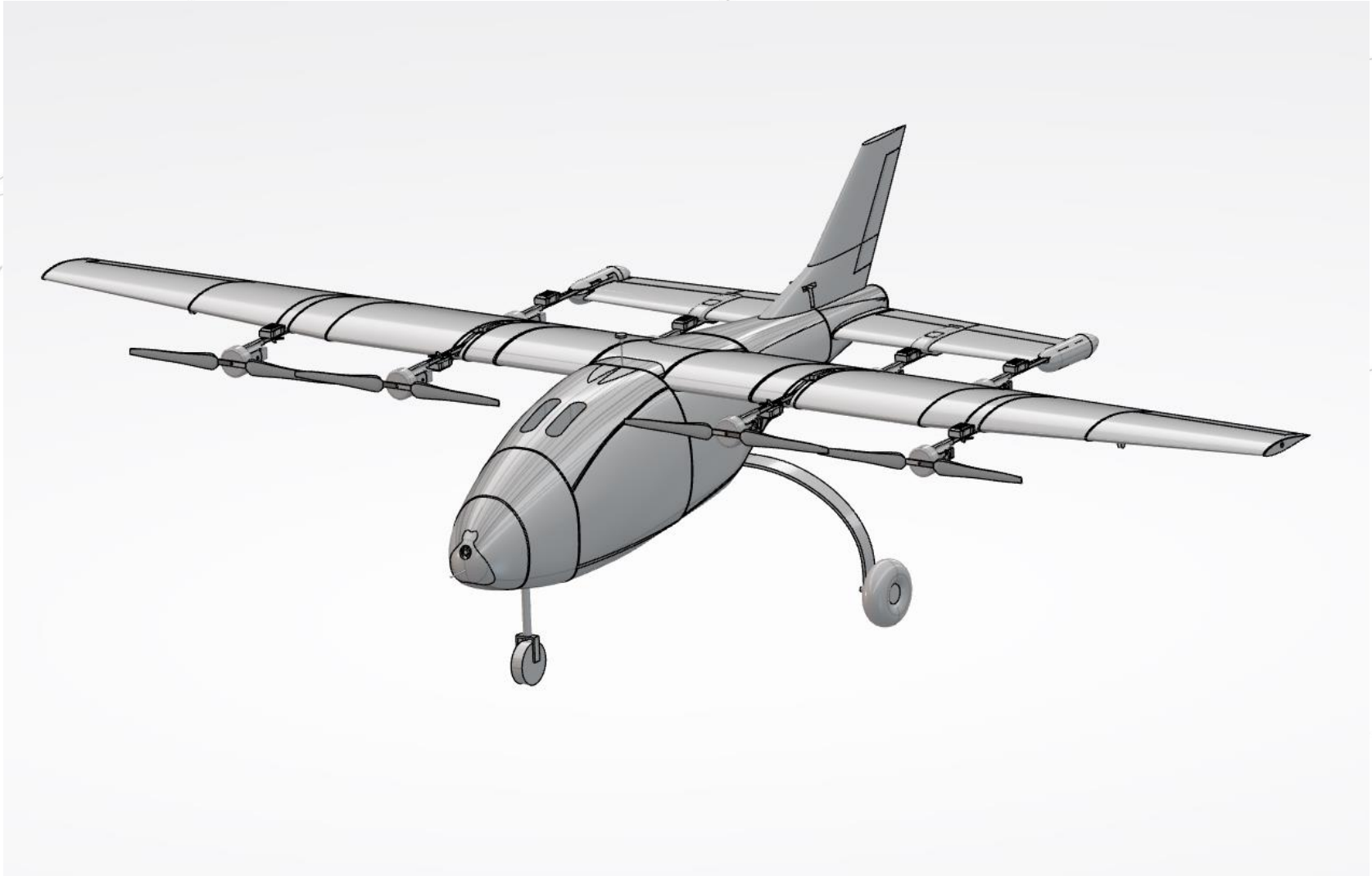
Large scale (11 meters) demonstrator

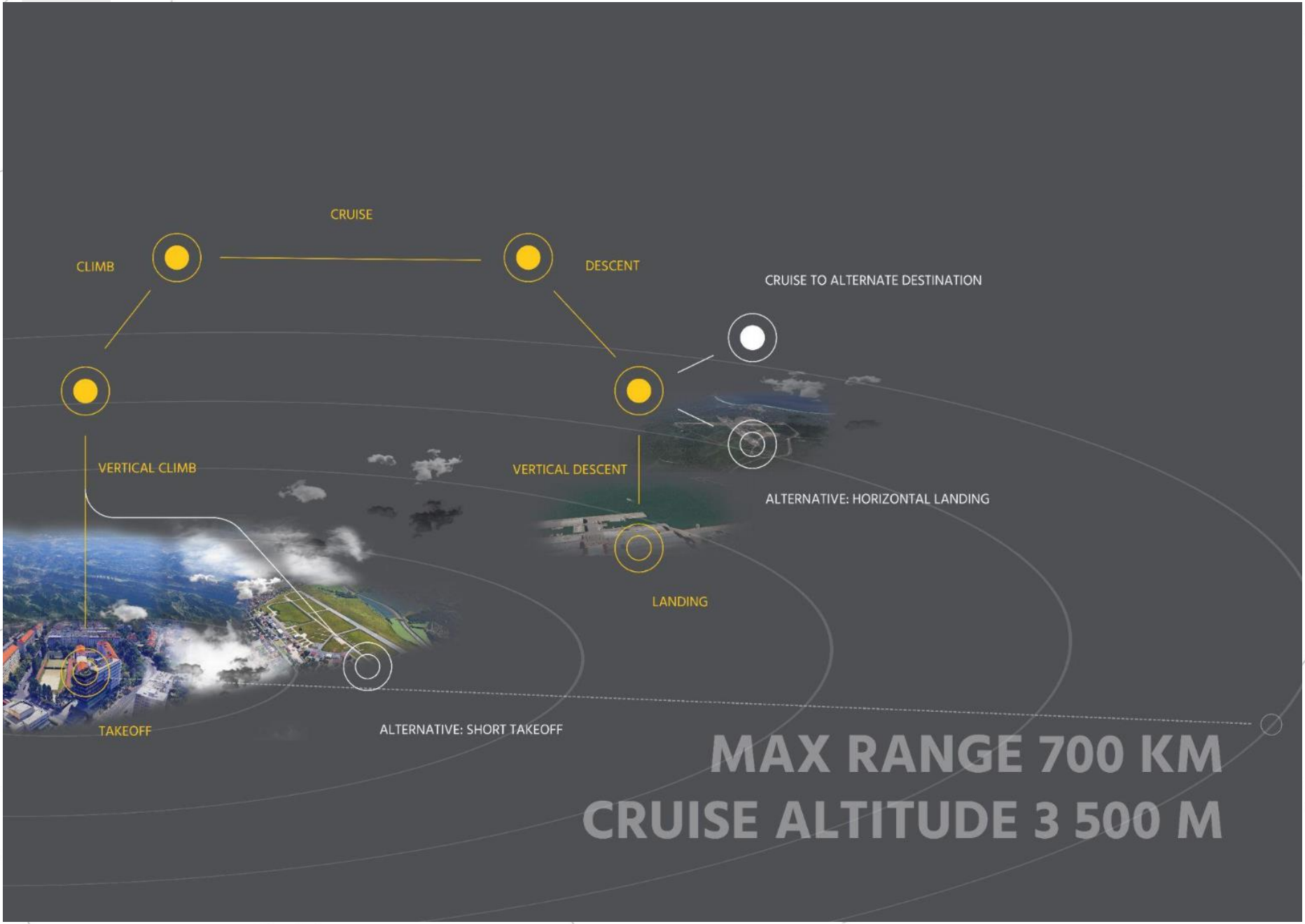
Redundancy



Hydraulic System Distribution
Figure 13–10–1

Design / Strength / Weight




CRUISE
CLIMB
DESCENT
CRUISE TO ALTERNATE DESTINATION
VERTICAL CLIMB
VERTICAL DESCENT
ALTERNATIVE: HORIZONTAL LANDING
LANDING
TAKEOFF
ALTERNATIVE: SHORT TAKEOFF
MAX RANGE 700 KM
CRUISE ALTITUDE 3 500 M

Thank you for your attention.

We are hiring

https://zuri.com/

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