

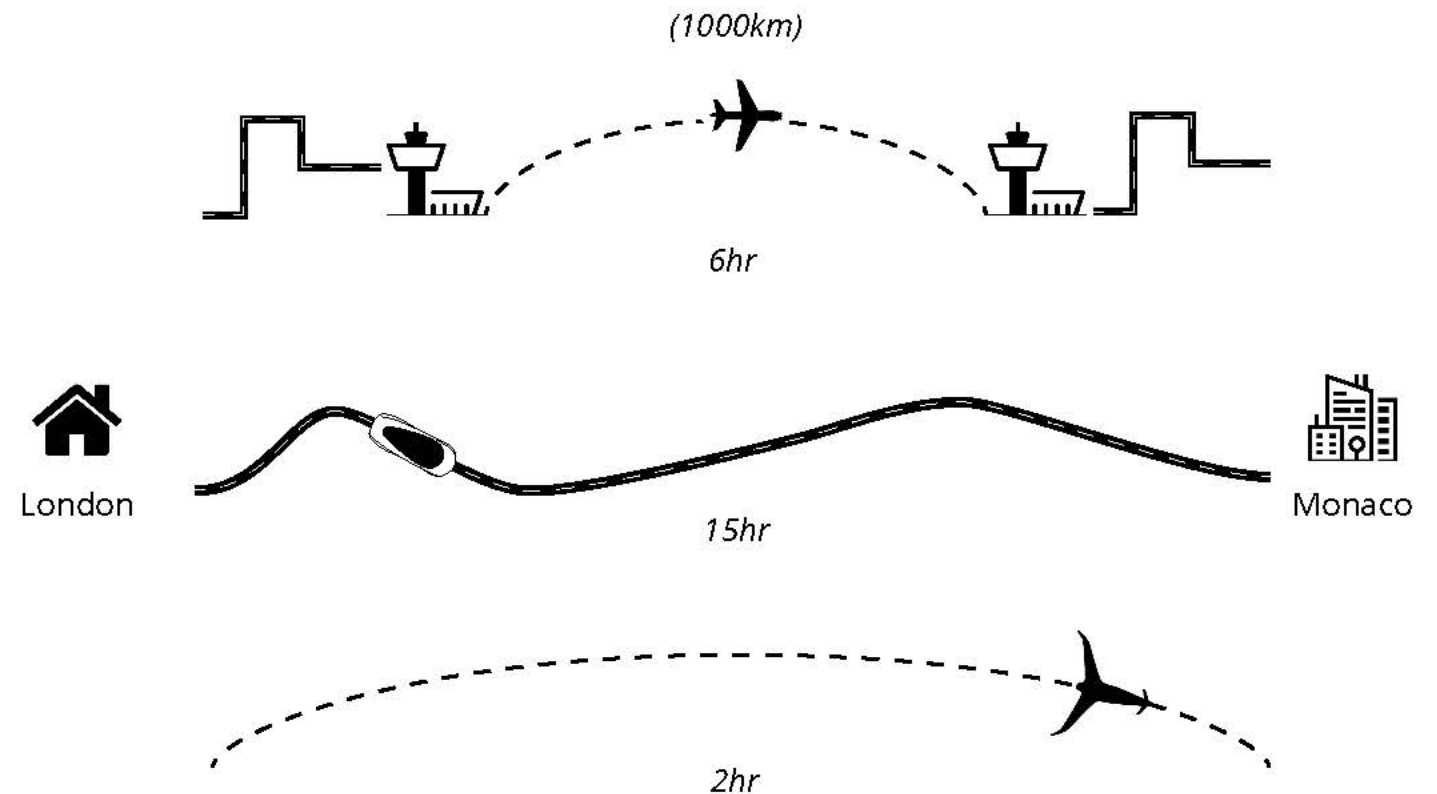


The Concept

McLaren Autonomous Luxury VTOL Grand Touring Aircraft for 2050

Fly Direct

Depart from home, arrive at the heart of your destination



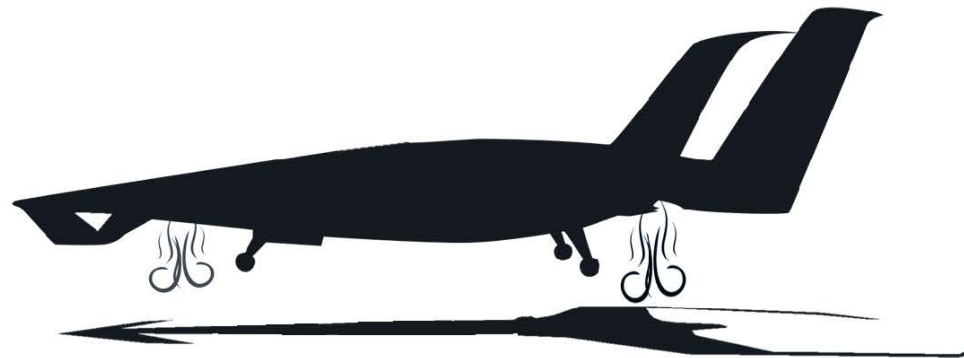
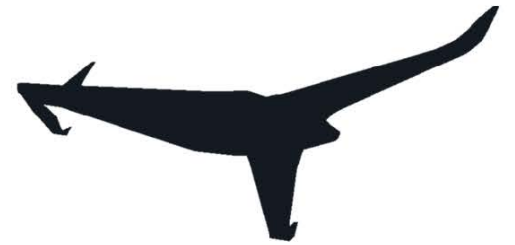
Storyboard

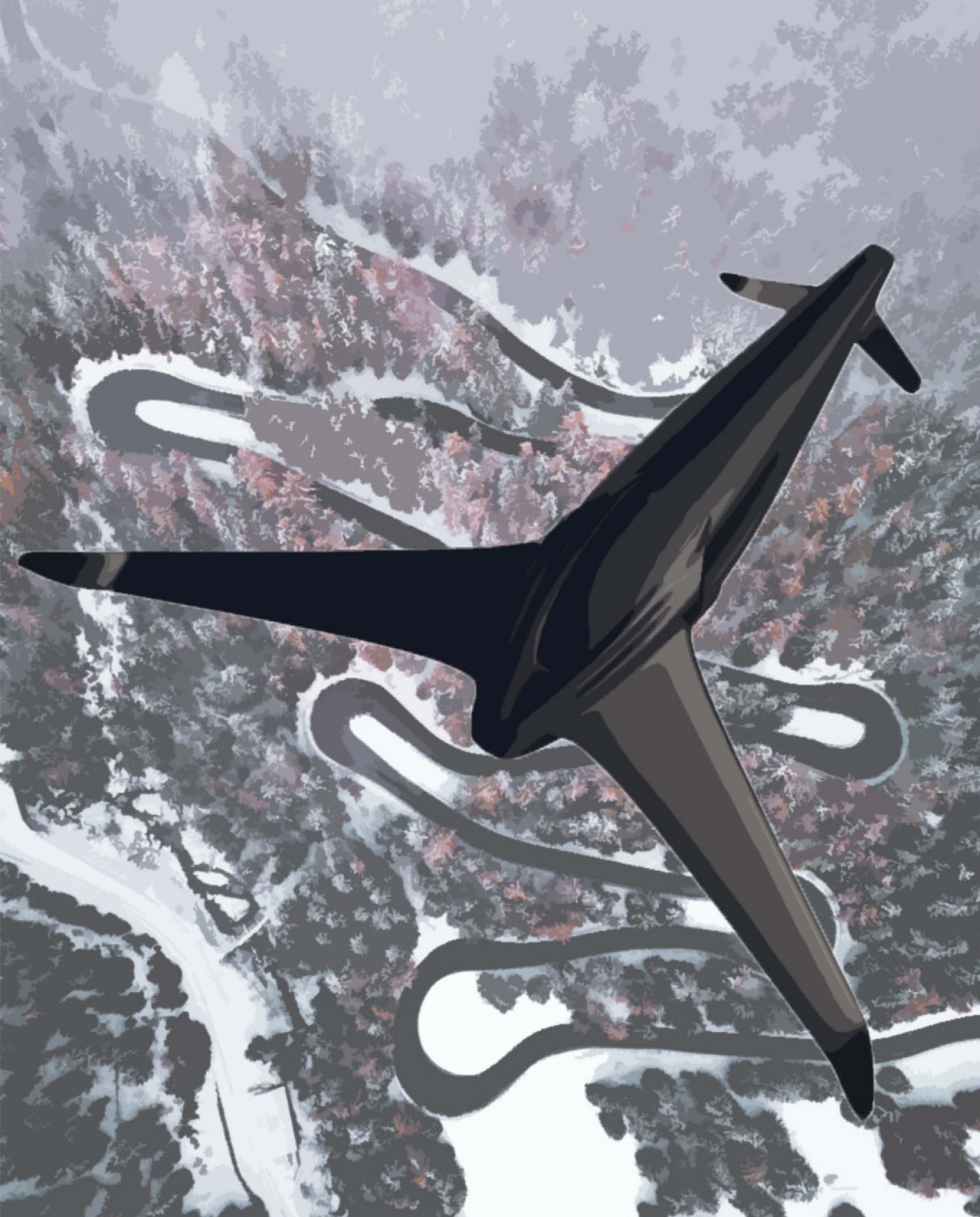
Occupants embark





*Craft departs autonomously
Passengers enjoy the scenery*





Flight cruises at 500km/h to destination

*Sit back and relax
Dynamic glass adapts ambience*

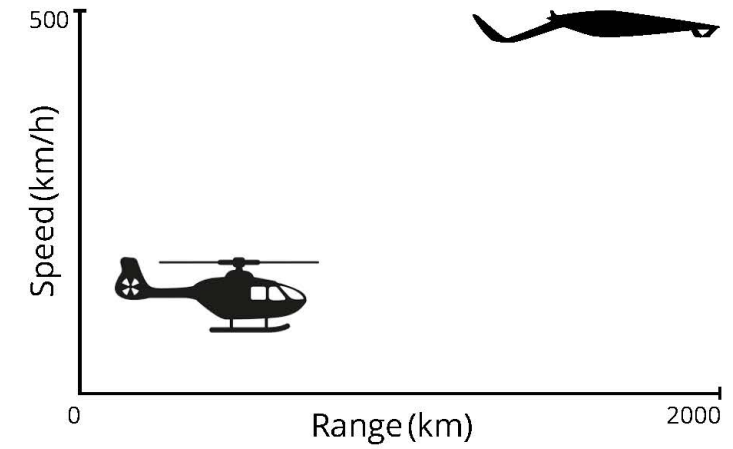




Craft arrives at VIP Location

Operational Context

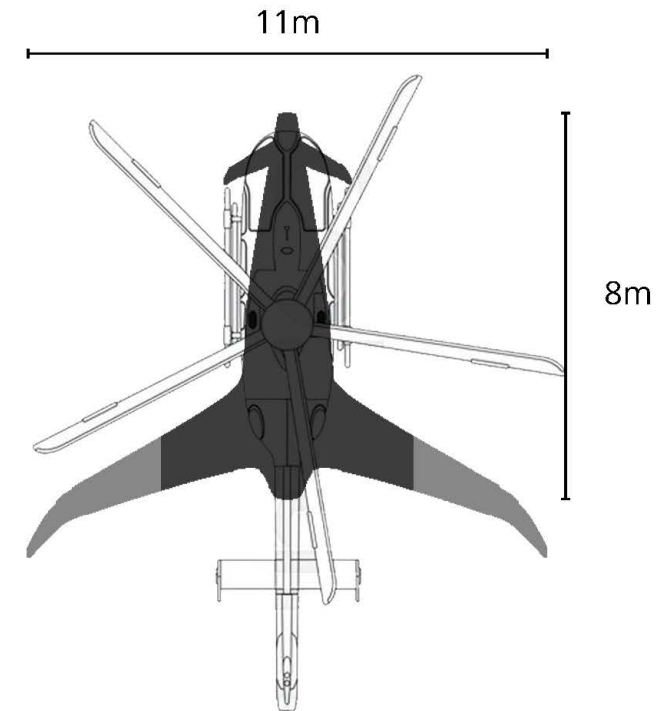
- Equal versatility to helicopters of today
- Works with existing helicopter infrastructure
- Lack of rotors reduces intrusion on operation environment



Eurocopter EC145

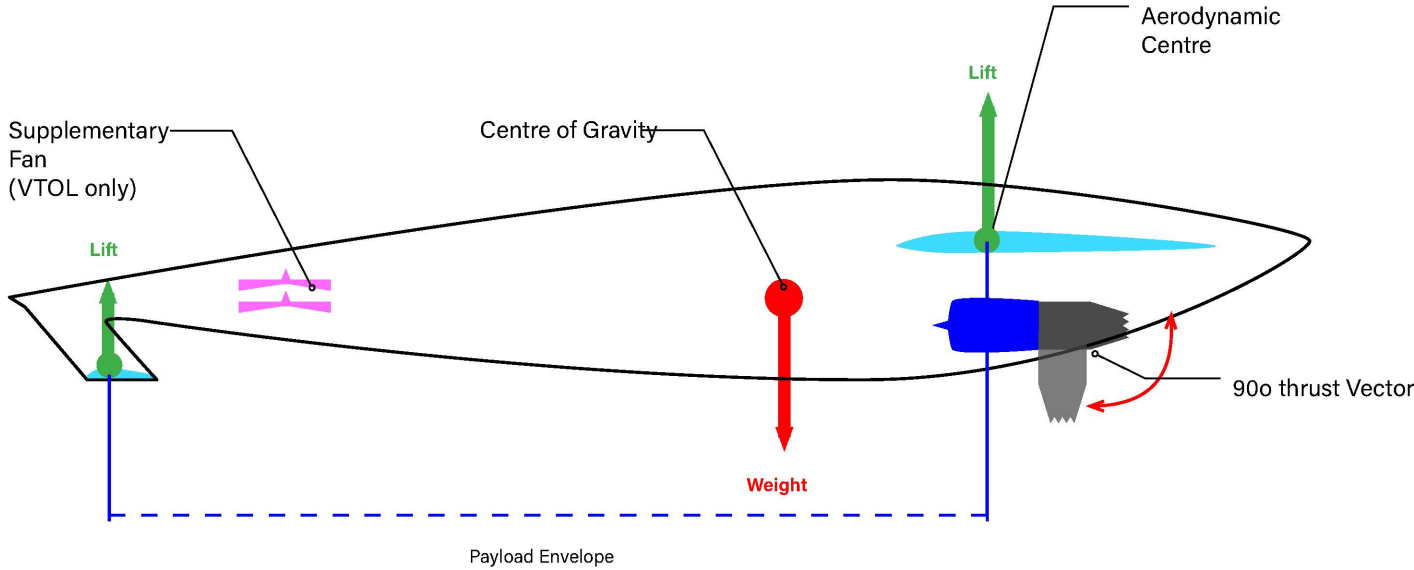
Range: 680km

Max speed: 268kph



Vehicle Architecture

Canard Configuration



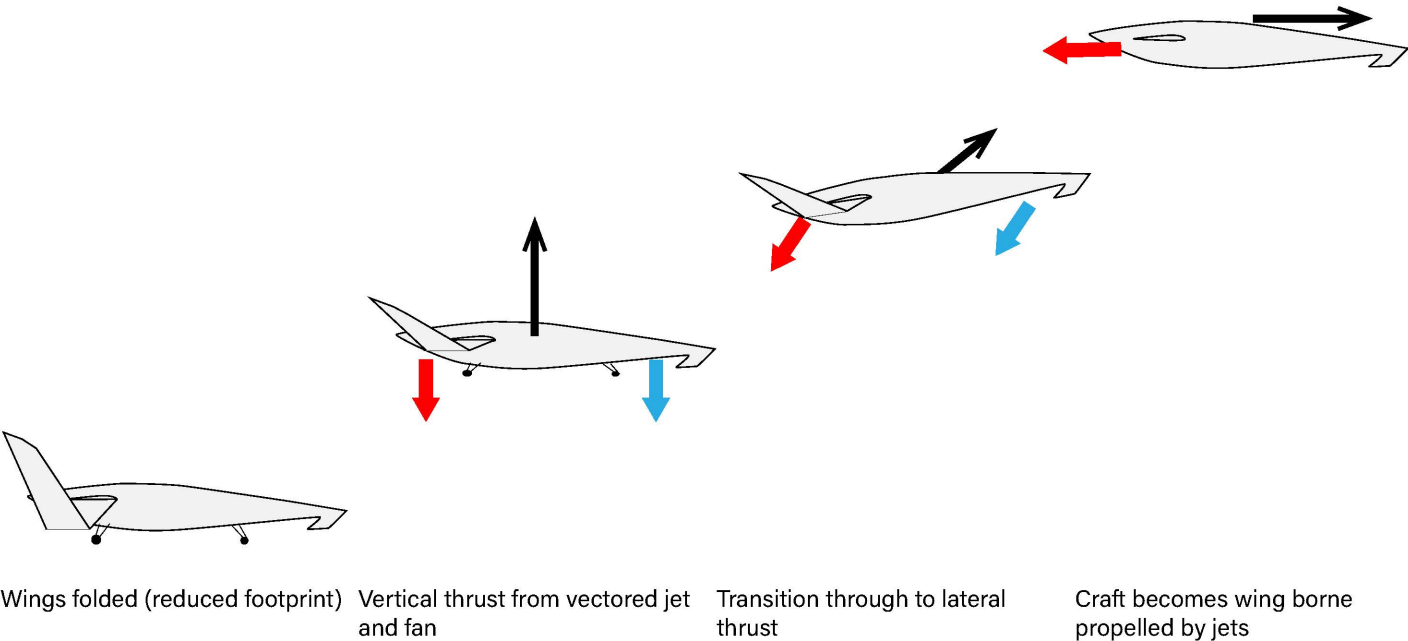
- Wings provide greater speed and range than rotors
- Clear body side for easy access
- Designed for lateral and vertical thrust



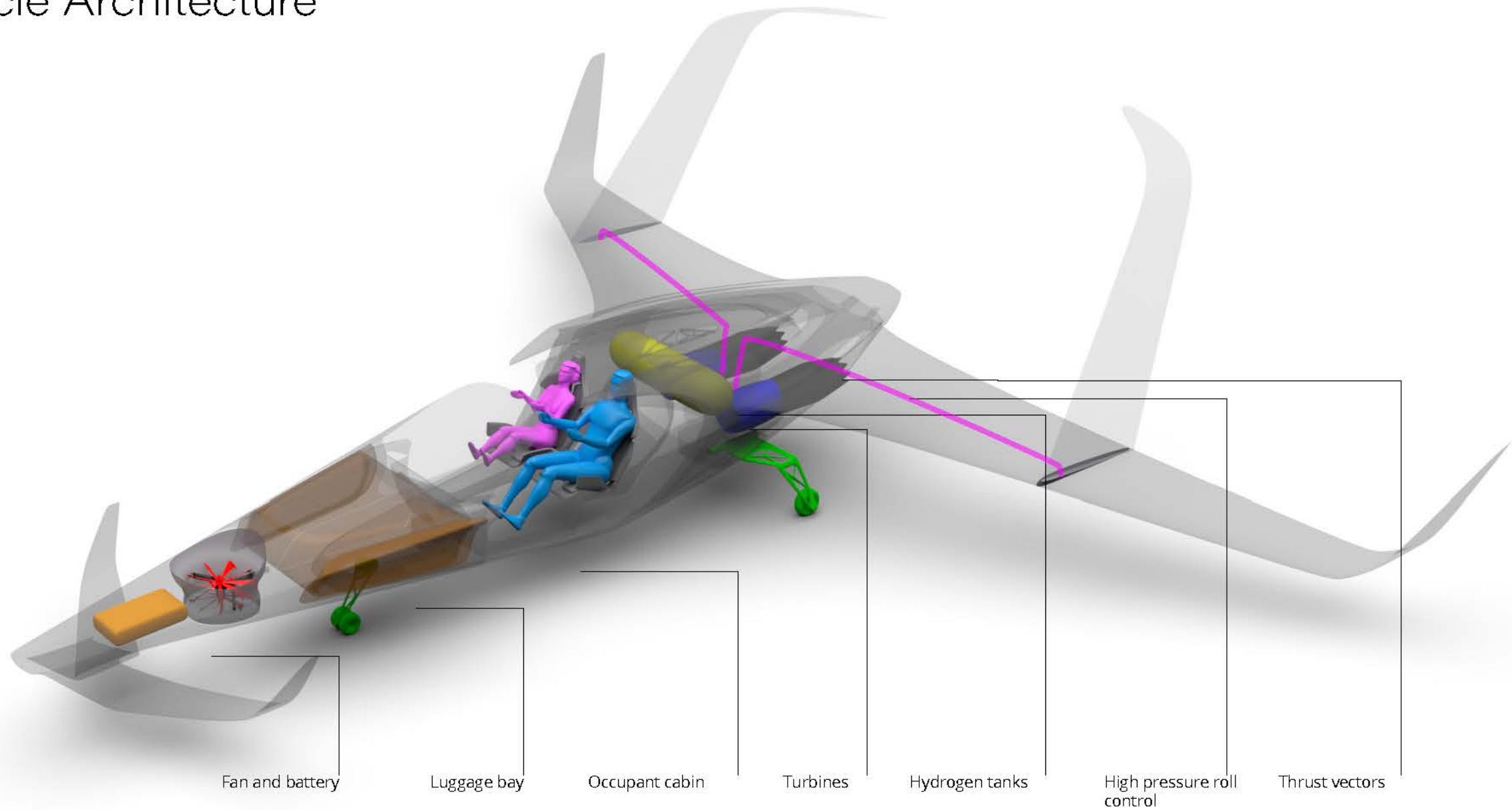
100% of motor energy
used for forward motion
Wings keep craft aloft

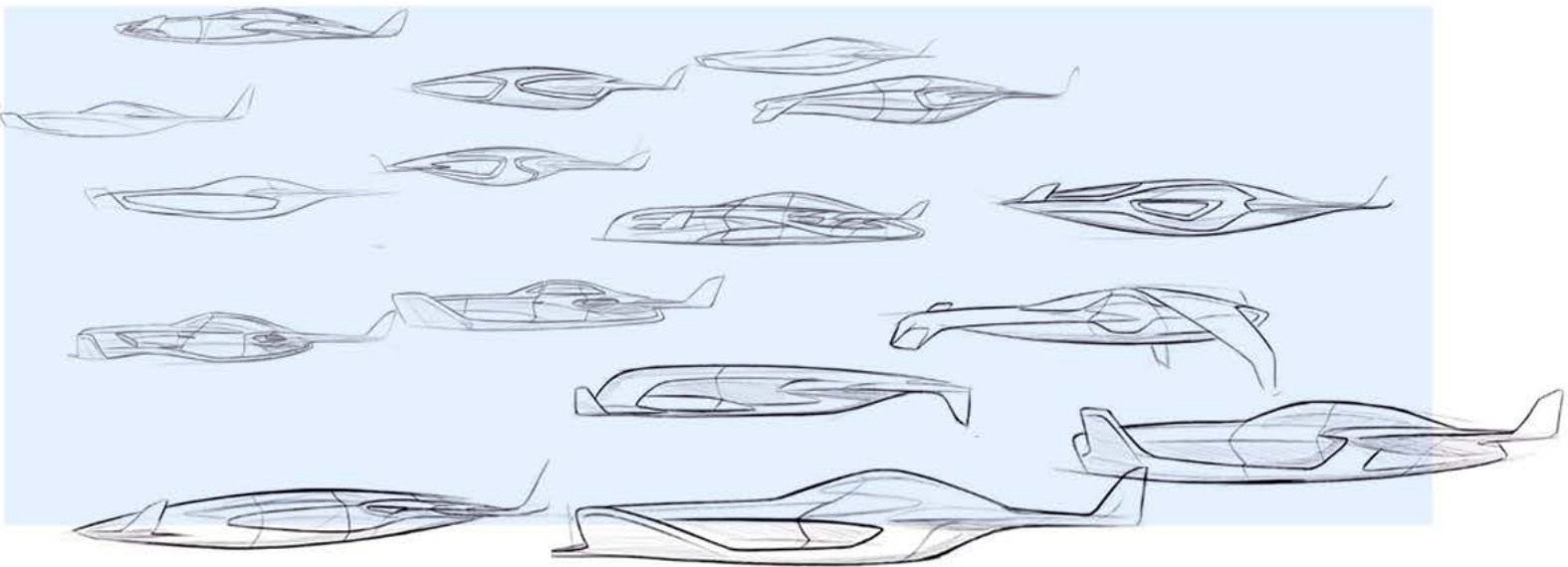


Motor energy used to
keep craft aloft and power
forward



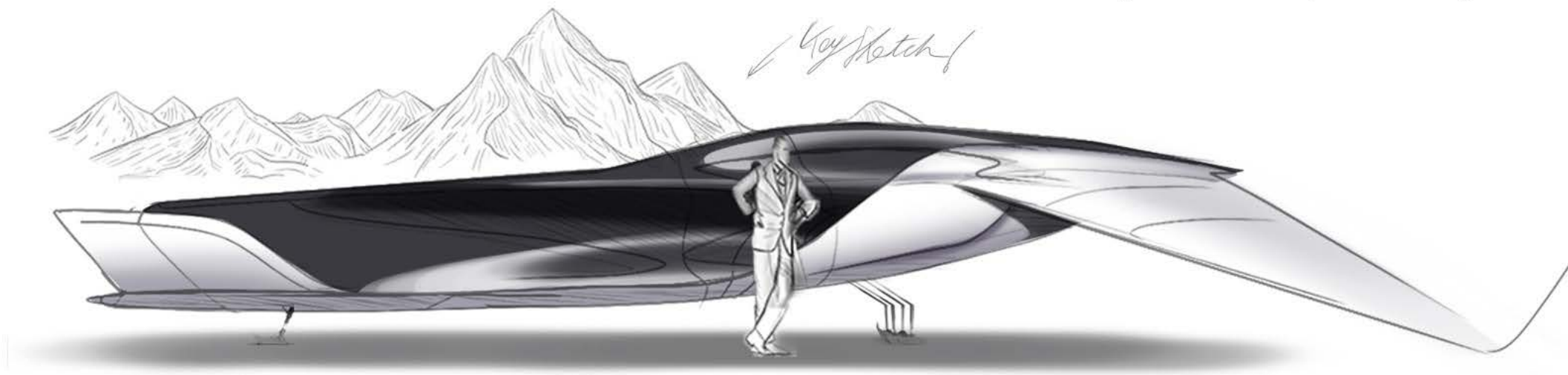
Vehicle Architecture

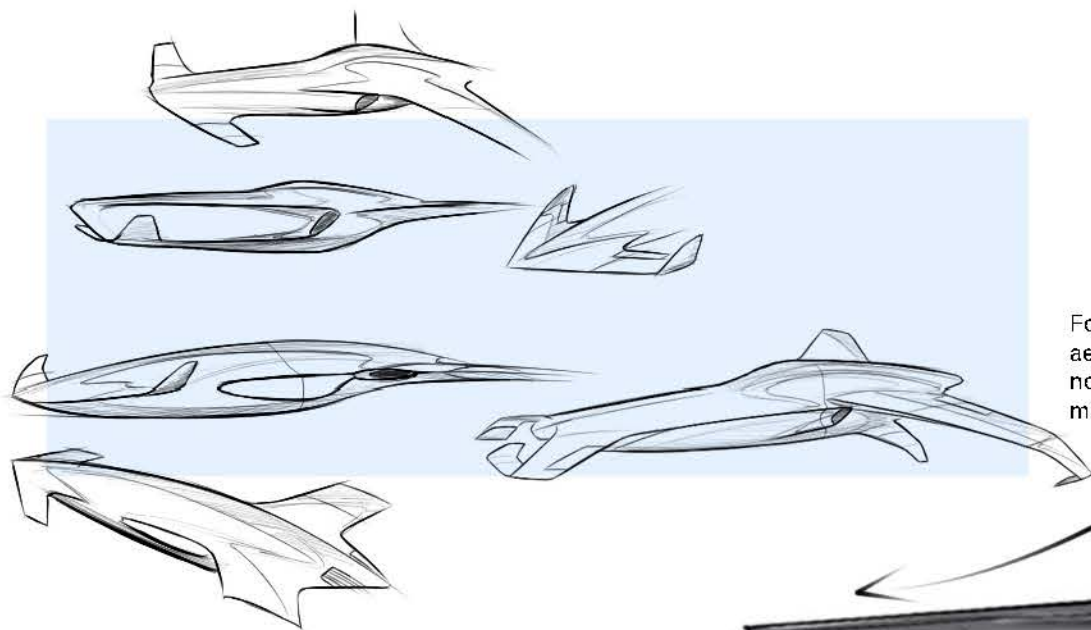




Exterior Form Exploration

- Initially inspired by Art Deco era Grand Touring cars
- Aerodynamics driven exploration of elegant forms



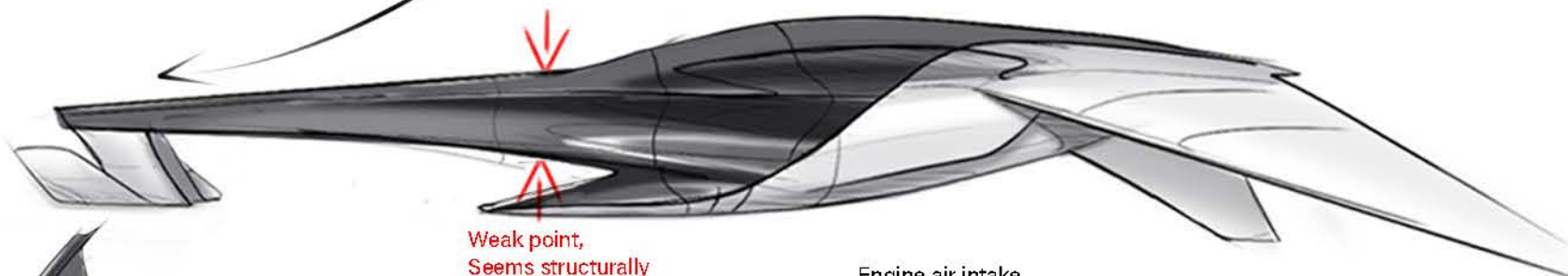


Formula 1 inspired
aerodynamic
nose with canard
mounting



MP4-28

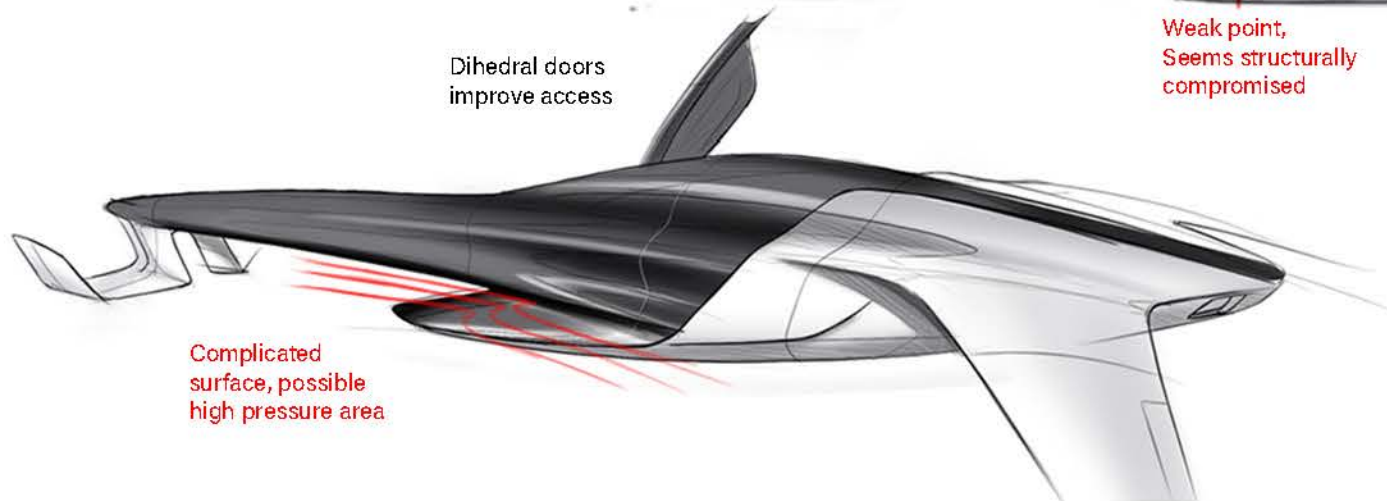
Fully glazed canopy



Weak point,
Seems structurally
compromised

Engine air intake

Dihedral doors
improve access



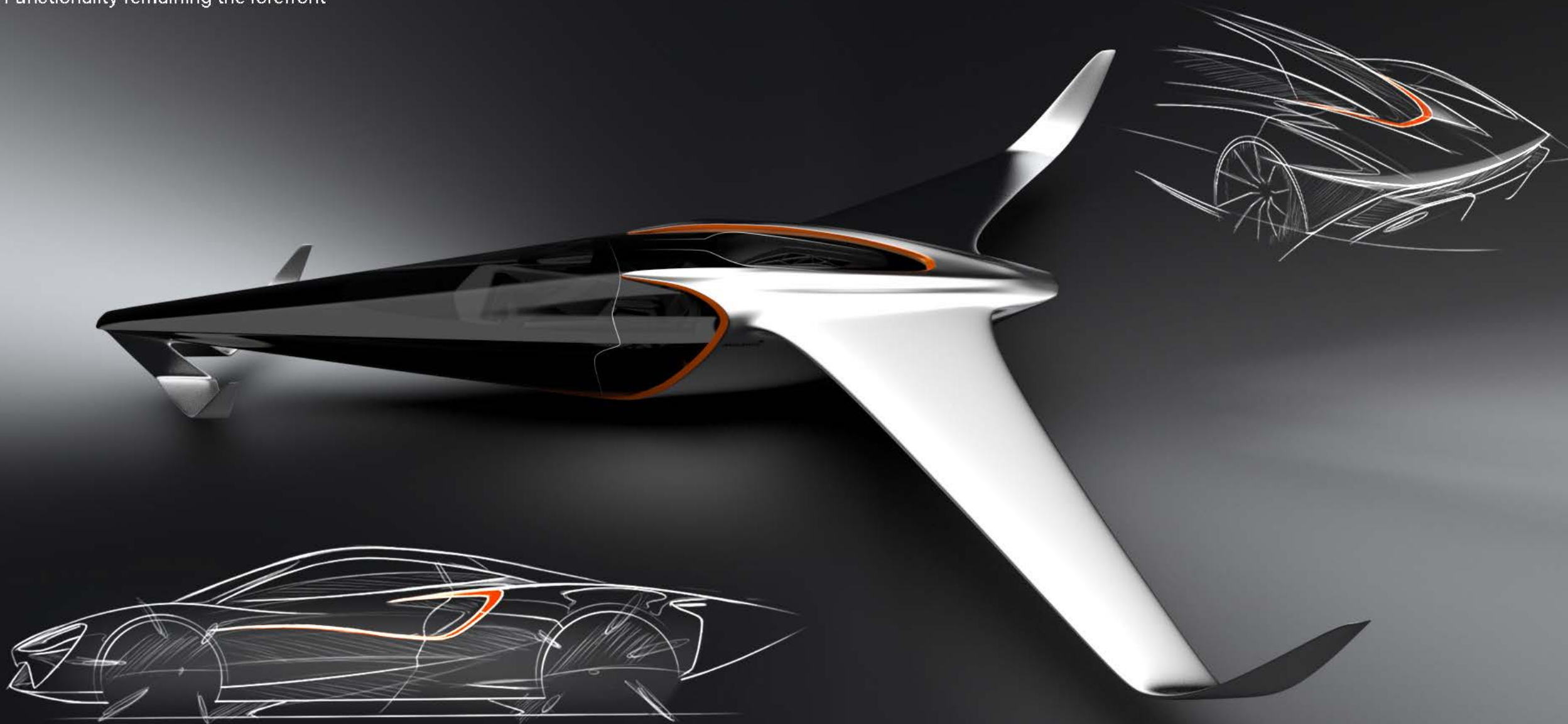
Complicated
surface, possible
high pressure area

Design Refinement

Identifying areas in need of attention for maximum
functionality whilst maintaining elegance

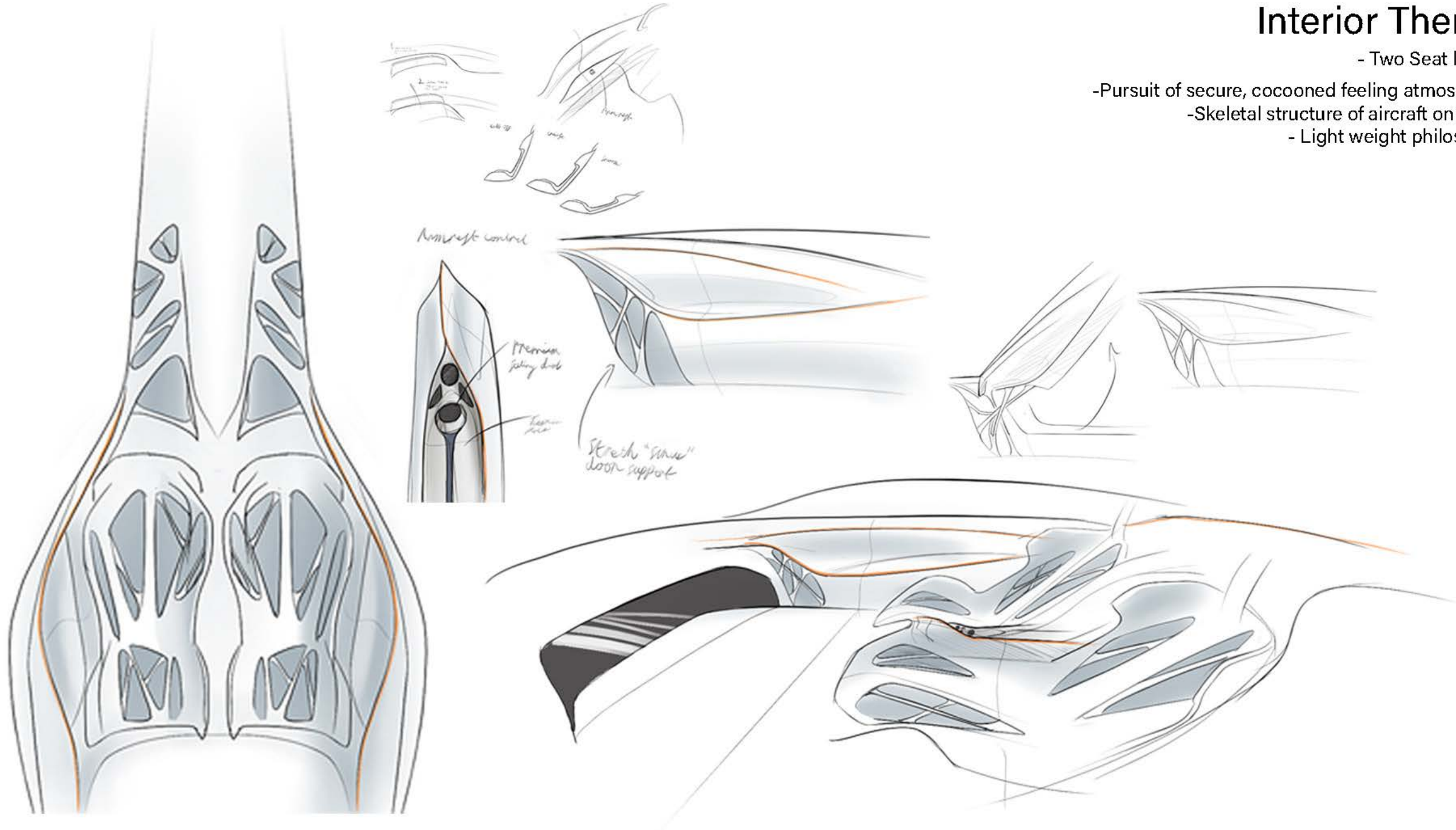
McLaren Form Language

- Incorporating design elements of McLaren road cars
- Functionality remaining the forefront



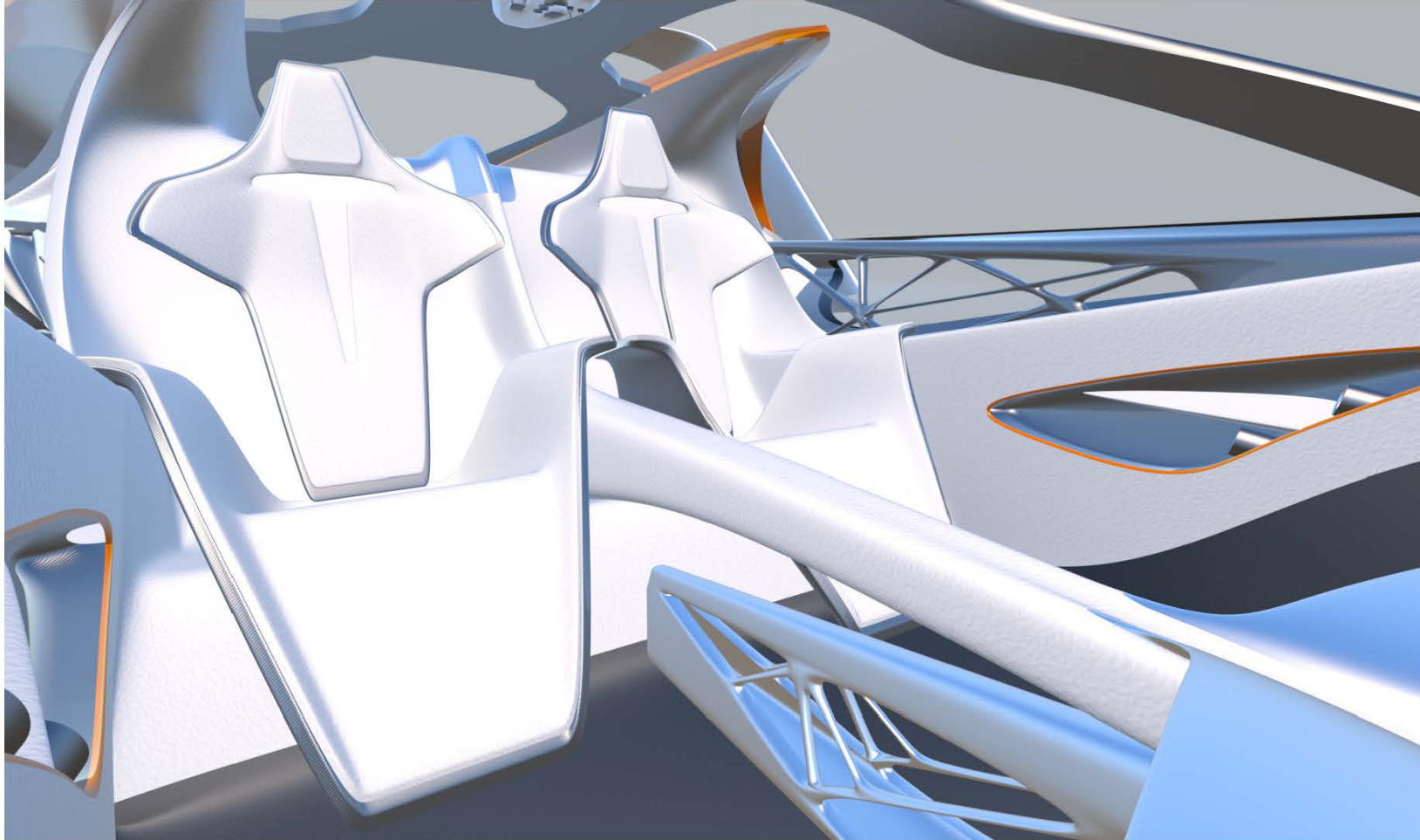
Interior Theme

- Two Seat layout
- Pursuit of secure, cocooned feeling atmosphere
- Skeletal structure of aircraft on show
- Light weight philosophy



Interior

- Structure of aircraft incorporated as interior form
- Glazing allows for augmented atmosphere and ambience



Bolster folds to aid ingress/egress
Footrest Stows increasing floor space



'Z' position recline

Exterior Model Evolution

