



SEMESTER PROJECT

PROJECT. 1

TRIARC

REDBULL SOAPBOX RACING

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Vehicle Engineering



Motor-Cycle Handel



Brake Lever



Independent Suspension



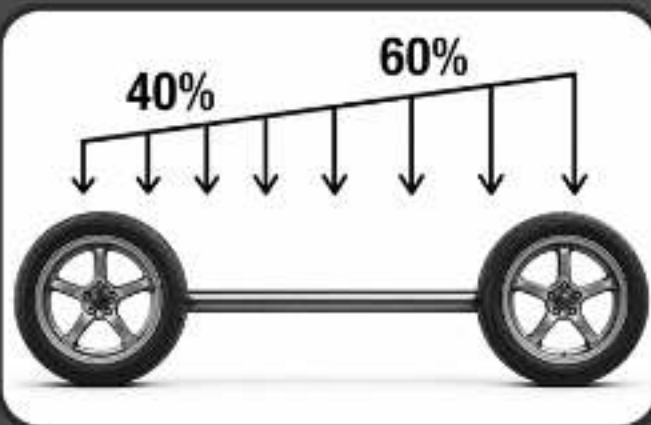
20" BMX Wheels



Rear Axle Disc



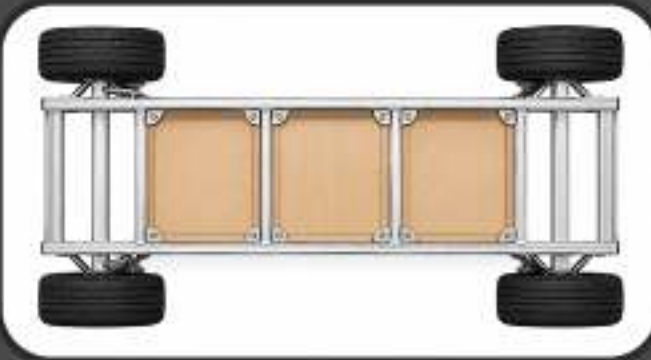
Brake Caliper, Pads



Weight Distribution



Center of Gravity: As Low As Possible



Ultra-Lightweight Chassis



Camber



Increases CG and lateral instability



Flexible (Sitting and Standing)

20 inch
- 508 mm



Wheel Diameter: 500 mm

w.1700 mm

w.1200 mm

d.200 mm

PACKAGE

Based on the final discussion from the team members



w.900 mm

60 mm



w.2000 mm

h.100 mm



22 inch
- 558 mm

Minimalistic & Geometric



Proportions



Surfacing



Material

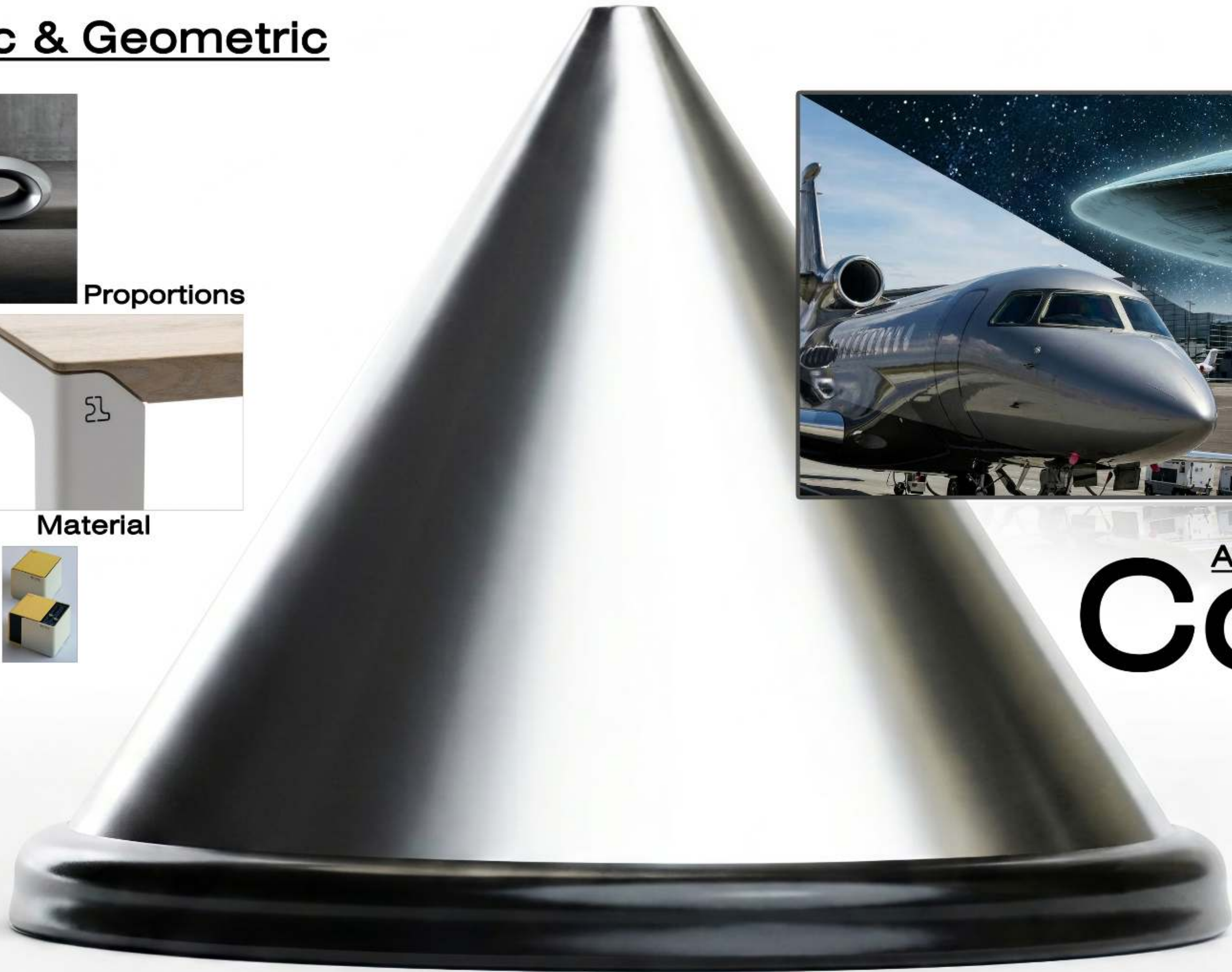


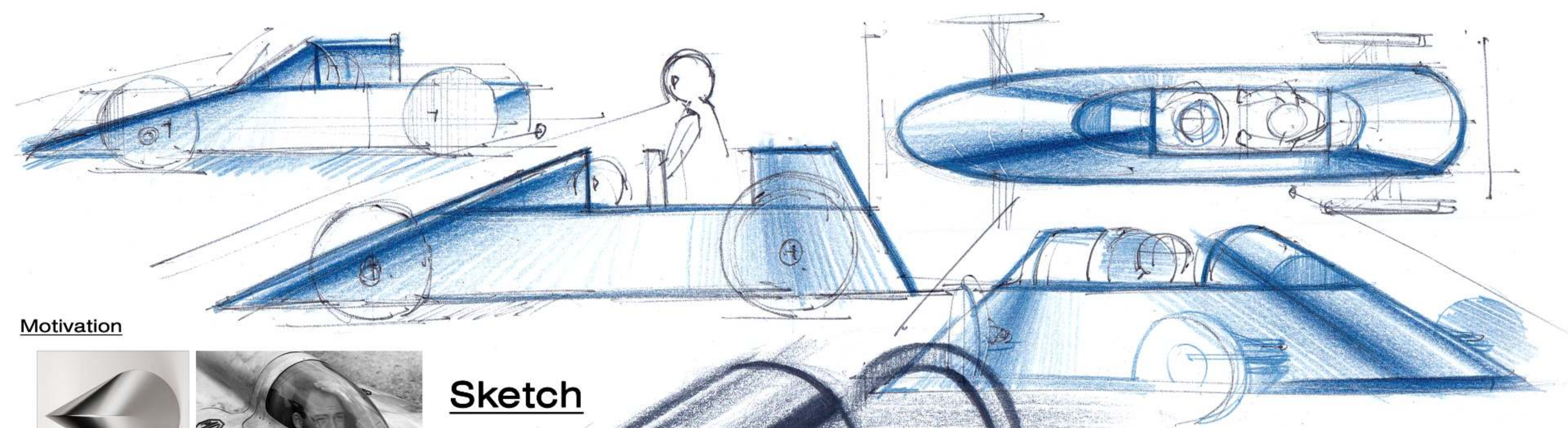
Details



Form Inspiration

Aesthetic aspect
Cone

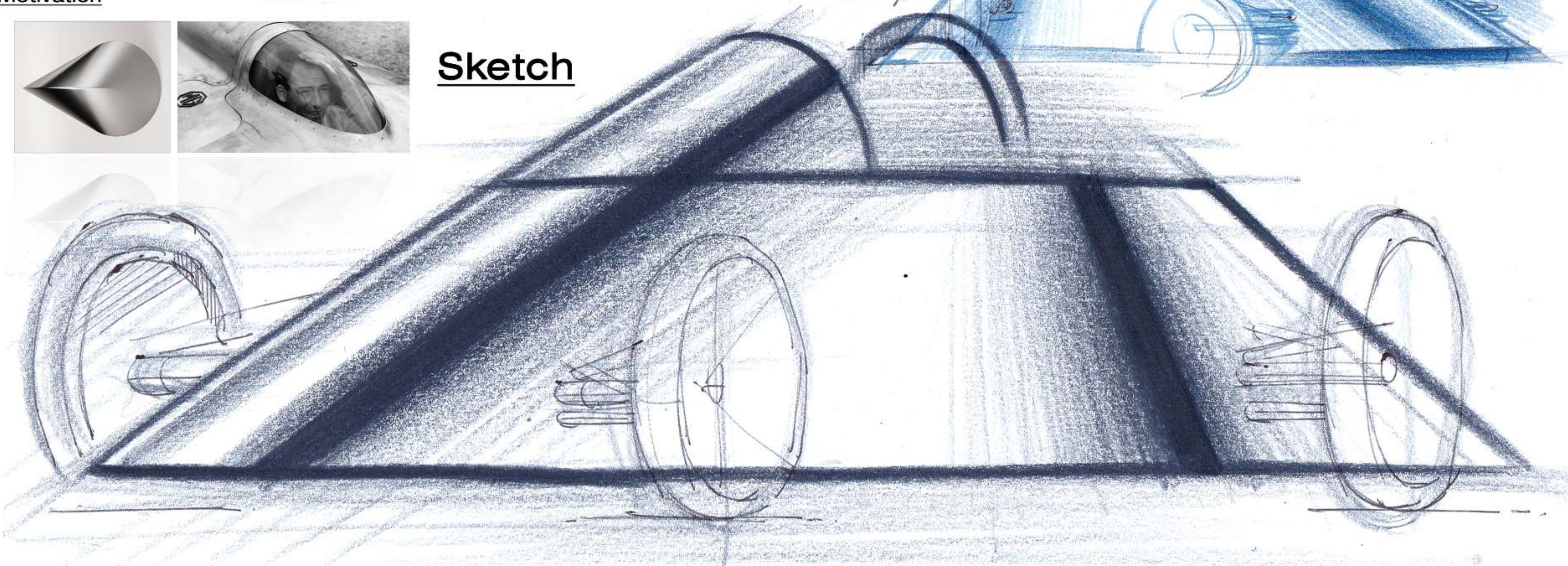




Motivation



Sketch









PROJECT. 2

VELION

EUROBIKE 2035

AI-AIDED CARGO MOBILITY FUTURES



STEP.1.ACCESS STORAGE



STEP.2.LOAD CARGO



STEP.3.START JOURNEY



USAGE SCENARIOS



PROJECT. 3

ROLLS-ROYCE NOBLE

COMPACT LUXURY WITHOUT COMPROMISE



