

PROJECT DEFINITION

"THE PINNACLE OF DRIVER SAFETY WITHIN RACING SERIES, THIS NEW Concept will change the way racing is not only operated but how it is viewed by spectators around the globe."

WHY?

AS F1 BECOMES MO AS F1 BECOMES MORE AND MORE POPULAR, THE LEVEL OF SKILL AND COMPETITION WILL KEEP RISING. WITH THIS RISE DRIVERS ARE FORCED TO BECOME MORE RECKLESS TO GET THOSE BEST TIMES AND WIN THE TITLES, THE RATE OF CRASHES AND POTENTIAL DEATHS WILL RISE. WITH THIS IN MIND, I WILL BE CREATING A NEW RACING VEHICLE WHICH WILL BE THE ABSOLUTE PINNACLE OF DRIVER SAFETY

OBJECTIVE: REMOTE RACER BASED ON AERO AND DRIVER SAFETY

SUSTAINABILTY



- ZERO EMISSION - Sustainable materials - Renewable energy - Battery powered - No carbon footprint



REMOTE DRIVING - Remove driver from vehicle

- NO DANGER -PINNACLE OF SAFETY -DRIVER IN IMMERSION PDD



WHEN?

2040 TO ALLOW TECHNOLOGIES WITHIN THE REMOTE RACER TO IMPROVE AND BECOME MORE ADVANCED



DRIVER

ALL DRIVERS WILL HAVE TO HAVE A HUGE PASSION FOR RACING AND WILL NEED TO BE Experienced. Due to the driver not being in the vehicle, <u>it allows anyone regardless</u> of age/ gender/ height or weight to drive our vehicle. However the <u>ideal age</u> <u>Range would be from 20-25.</u> The average income of the drivers will vary depending on there performance throught the races but can vary from £600,000-£1,000,000. SPECTATOR OF THIS RACE SERIES WILL MOST LIKELY BE A BIG FAN OF OTHER RACING SERIES SUCH AS FI. THEY WILL HAVE A LOT OF <u>Passion for the sport of racing</u> and will have a favourite driver within the series. Similar to the driver, there <u>no age limit for the spectator</u>. They could be a family where the parents and kids both enjoy racing and have brought everyone along to watch. There is also no specific gender or ethnicty.





VERY IMPORTANT KEY SKETCH THAT I ADAPTED LATER TO MAKE FINAL DESIGN. WHEELARCHES TO SQAURE AND AGGRESIVE

























#E7C938

#242424







DIMENSIONS

HEIGHT- 0.82M

LENGTH- 4.8M

WIDTH- 1.9M

2800 -

2600 -

2400 -

2200 -

2000-

1800

1600-

1400-

1000-

800

600

400

200 -







DIMENSIONS HEIGHT- 1.25M LENGTH- 3.5M WIDTH- 1.2M









BLENDER DEVELOPTMEN

FULL DEVELOPMENT PROCESS









MAKING SUSPENSION ARMS LARGER AND MORE PROMINENT

POTENTIAL REAR DIFFUSER LINKING TO WING



FINAL MODEL WITH ADDED MATERIALS



BUILDING STEERING WHEEL



BUILDING INTERIOR WITHIN POD



MAKING SURE MANEKIN FITS WITHIN INTERIOR









MAKING AND MODELLING ARMATURE



ADDING CLAY TO ARMATURE AND ADDING WHEELS



REMOVING WHEEL ARCHS AND SCULPTING FUELSELAGE

ROUGHING OUT ONE SIDE TO MAKE SURE PROPORTIONS ARE CORRECT AND ADDING AERO WINGS

CLAY ROUGHLY BUILT UP TO MAX WIDTH

FULLY ROUGHING OUT MODEL AND FILING IN HOLOWS



ADDING MORE AERO WINGS AND FURTHER FIXING SURFACE IMPERFECTIONS



ADDED MAIN SPOILER AND FIXED FRONT VENTURI TUNNEL



FURTHER REFINING SURFACE AND ADDING MORE REFINED LINES ON THE FUELSELAGE



MAKING THE REAR FORM SHARPER TO IMPROVE THE OVERALL GRAPHICS ON THE MODEL



ADDING CLAY TO MAKE WINGS FLOW MORE SMOOTHLY INTO THE WHEEL ARCHES



FINALISING SURFACES





AFTER I HAD FINISHED MY BLENDER MODEL, I USED SIMFLOW TO CREATE A AERODYNAMIC FLOW TEST. USING THIS TEST I MADE SLIGHT CHANGES TO THE WING ANGELS TO FULLY OPTIMZE THE FORM AS MUCH AS POSSIBLE

FINAL RENDER



l

FINAL RENDER













