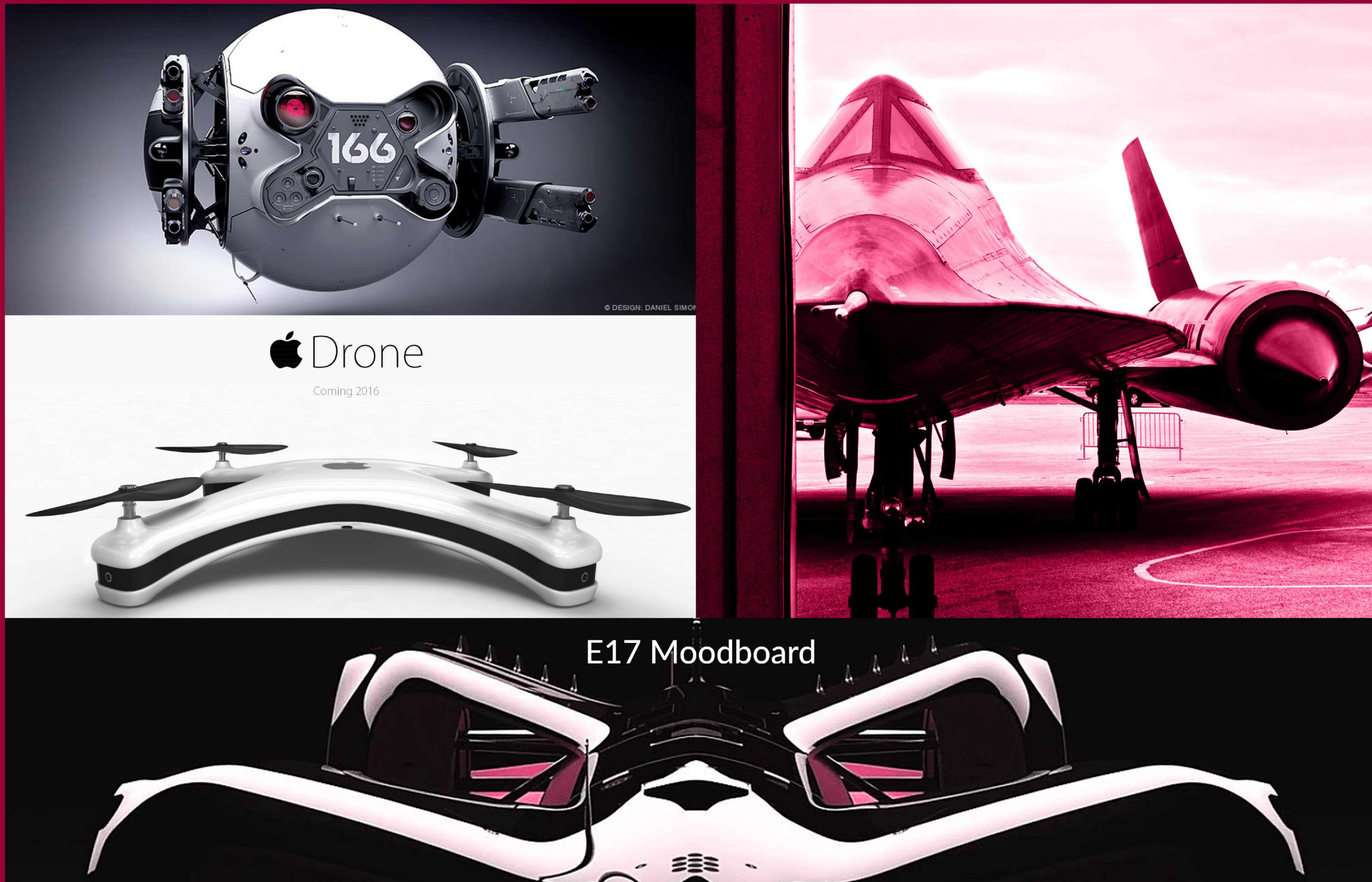


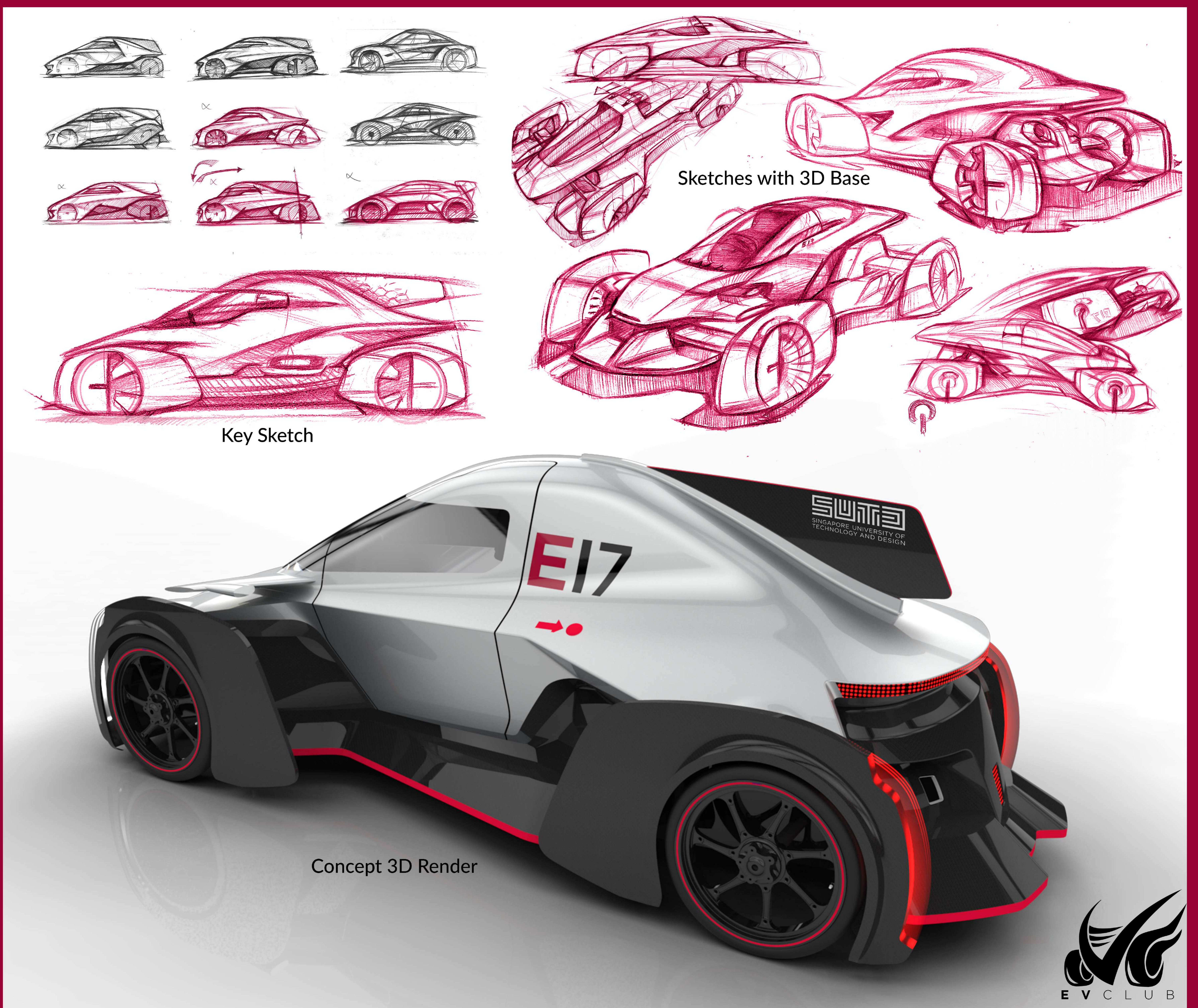
# SUTD E17 (SEM 2017)

## URBAN CONCEPT VEHICLE - DESIGN PROCESS



E17 is a purpose built prototype vehicle meant to compete in the Shell Eco-marathon Asia 2017. The design and engineering process is similar to industry practice where we begin with a moodboard, followed by hand sketches and then to 3D CAD modelling and various engineering iterations.

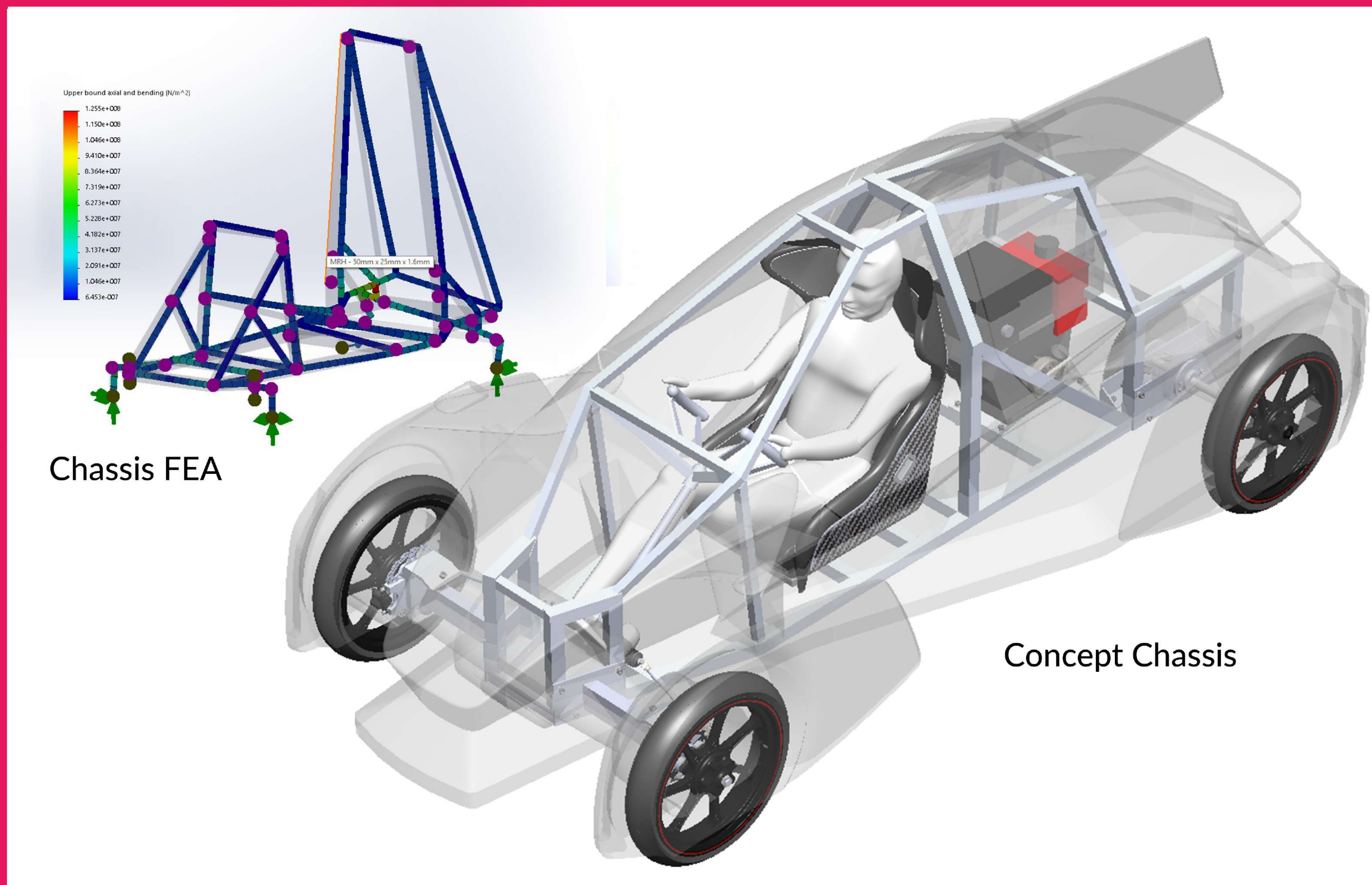
E17's development time is only 7 months as compared to the typical 18 month time frame.





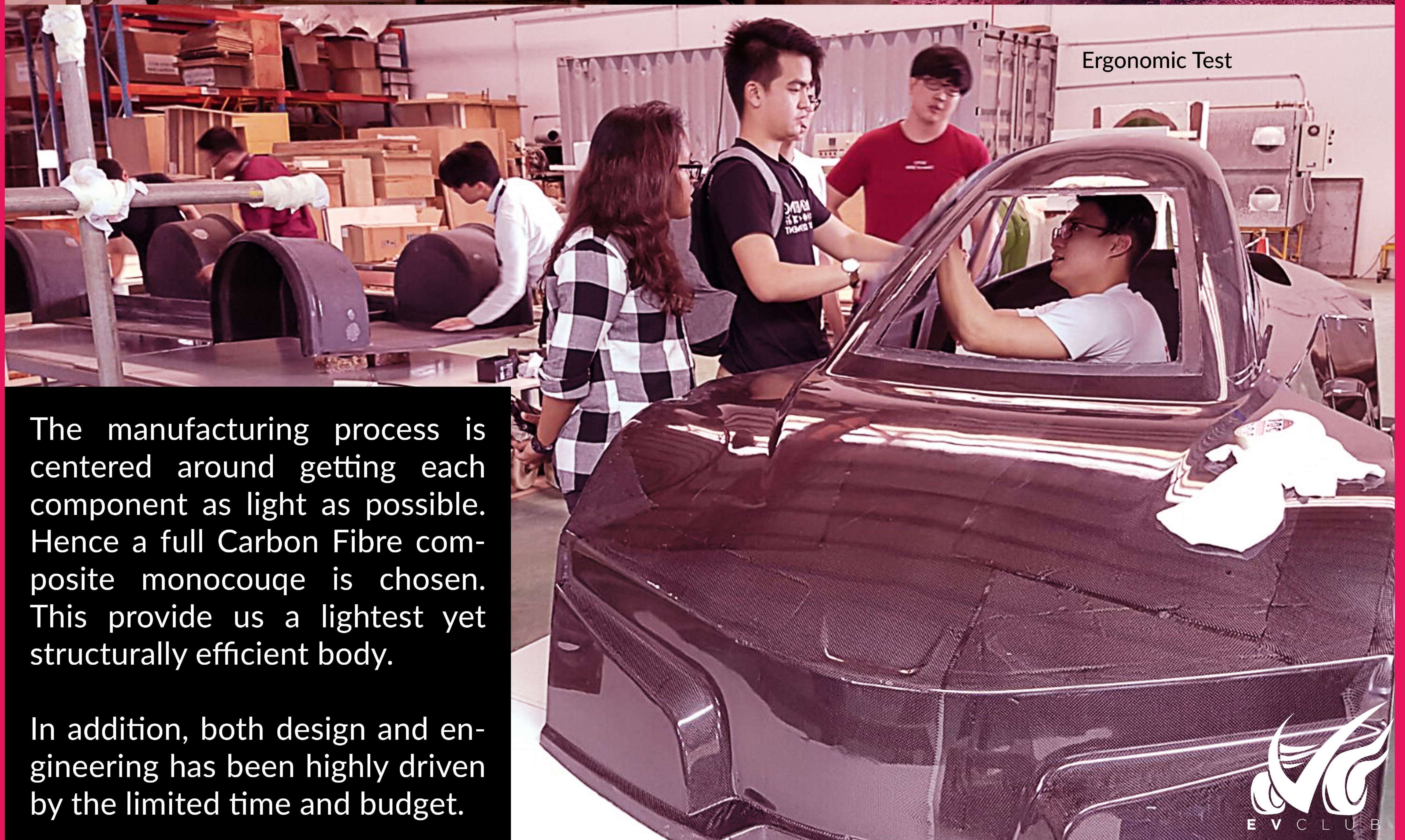
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The manufacturing process is centered around getting each component as light as possible. Hence a full Carbon Fibre composite monocoque is chosen. This provide us a lightest yet structurally efficient body.

In addition, both design and engineering has been highly driven by the limited time and budget.