

# 2050 Mars Rover

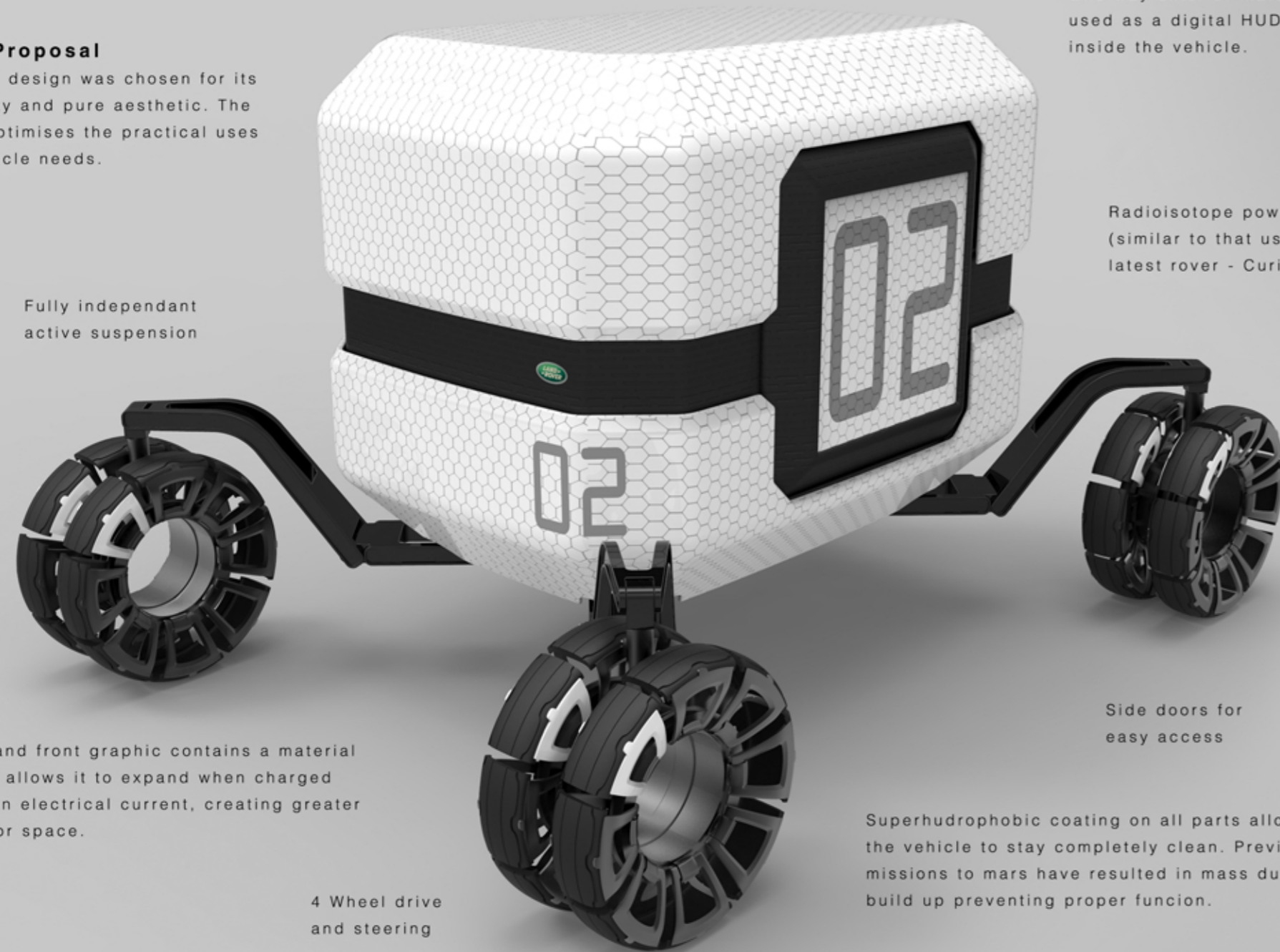
## Final Proposal

The final design was chosen for its simplicity and pure aesthetic. The shape optimises the practical uses this vehicle needs.

Fully independent active suspension

Side and front graphic contains a material which allows it to expand when charged with an electrical current, creating greater interior space.

4 Wheel drive and steering



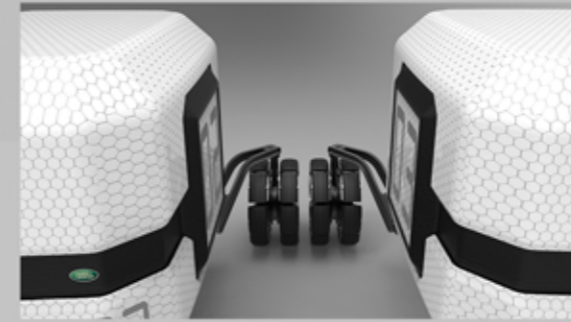
One way exterior material, also used as a digital HUD from inside the vehicle.

Radioisotope power system (similar to that used in Nasa's latest rover - Curiosity.)

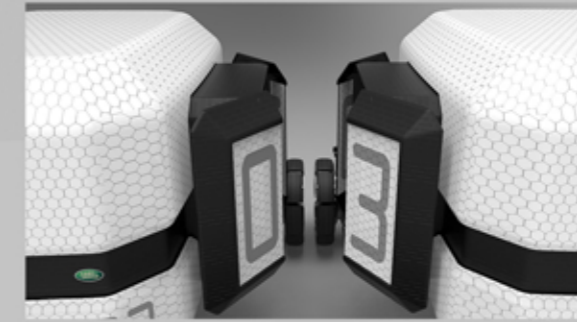
Side doors for easy access

Superhydrophobic coating on all parts allows the vehicle to stay completely clean. Previous missions to mars have resulted in mass dust build up preventing proper function.

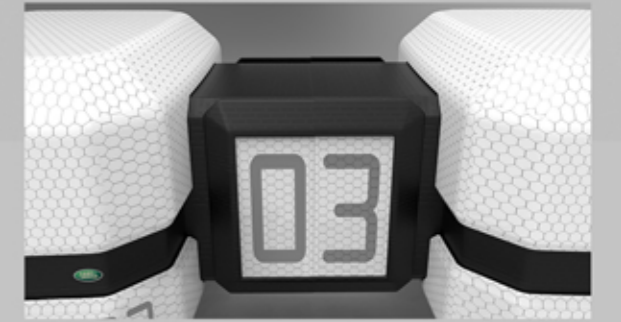
My main contribution for the project was the exterior CAD model and animation.



Two or more vehicles would automatically line up together using position sensors.



The doors then open and the extension parts push the whole section outward



The doors interlock with each other creating an air tight seal.

