AIR AMBULANCE

Aim

- This ambulance can fly within the rules of the road and if the ambulance is unable to fly.
- the ambulance can also navigate in the nearby water.

COMPONENTS

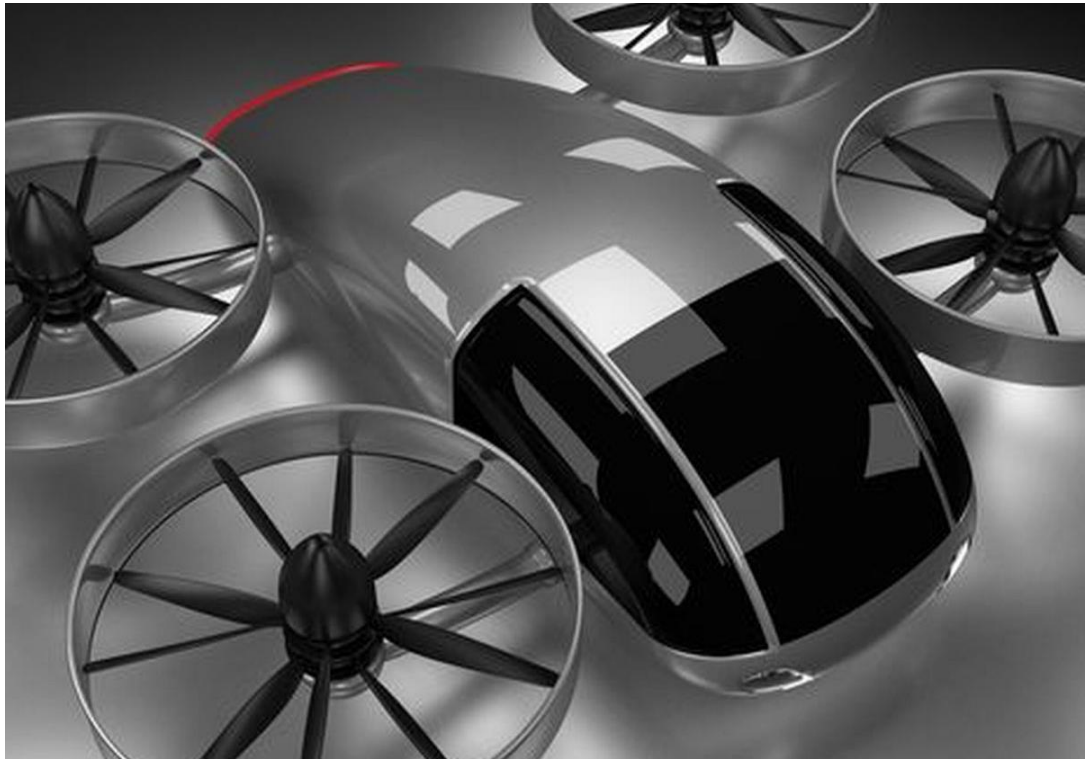
- Drone motor
- Helium gas
- Thermocol
- Aluminium sheet
- Air Bags
- Flight control

Ambulance Traffic Problem

- Although various methods are employed to decongest our country's road traffic, they are ineffective in the long run.
- Many casualties are increasing due to this traffic jam.

Emergency Water Riding

- If it is not possible to go on the road, this ambulance can also go on water.
- A floating cushion-like structure filled with helium gas is installed under the vehicle, which allows the ambulance to float on water.



Model Image

Helium gas

- Helium gas is also used to float an object in air.
- By injecting this helium gas, objects of any size can be reduced from 100% to 30%.

Thermacol usage

- As this vehicle rises, it is more likely to heat up due to solar heat.
- Thermacol is very helpful in reducing heat.
- It also helps the vehicle to rise up.

Air Bags

- This is very helpful for lifting the vehicle.
- The inflated helium gas of this air bag is very helpful for flying and floating.

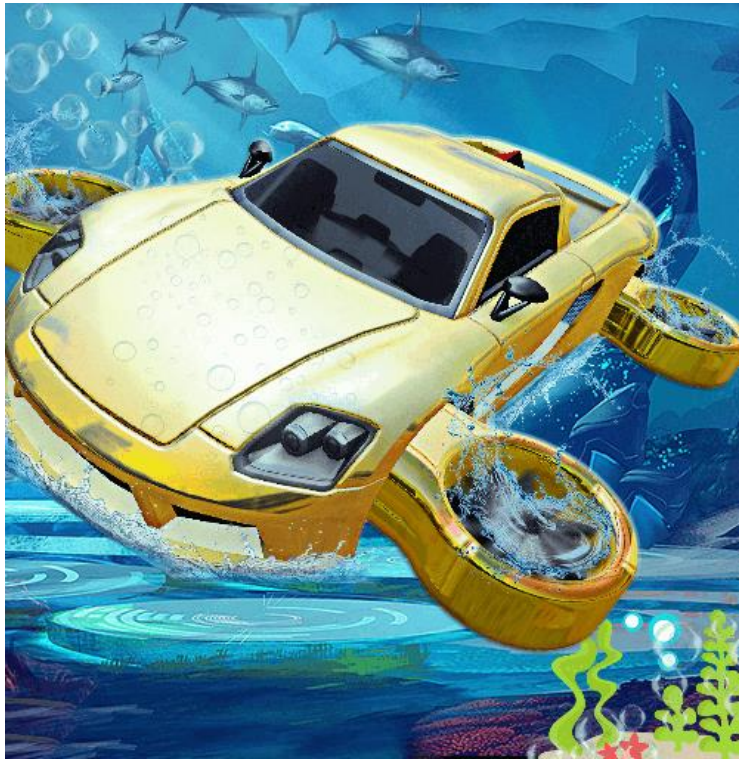
Aluminium Sheet

- Aluminum is the second most common metal in the world.
- By using an aluminum sheet across the side of the vehicle, the weight of the vehicle is reduced.

Drone Setup

- The most important thing for this vehicle to get up and running is the drones.
- These drones are mounted on the side of the wheel.
- The wheel is also filled with helium gas with the help of this is called work.

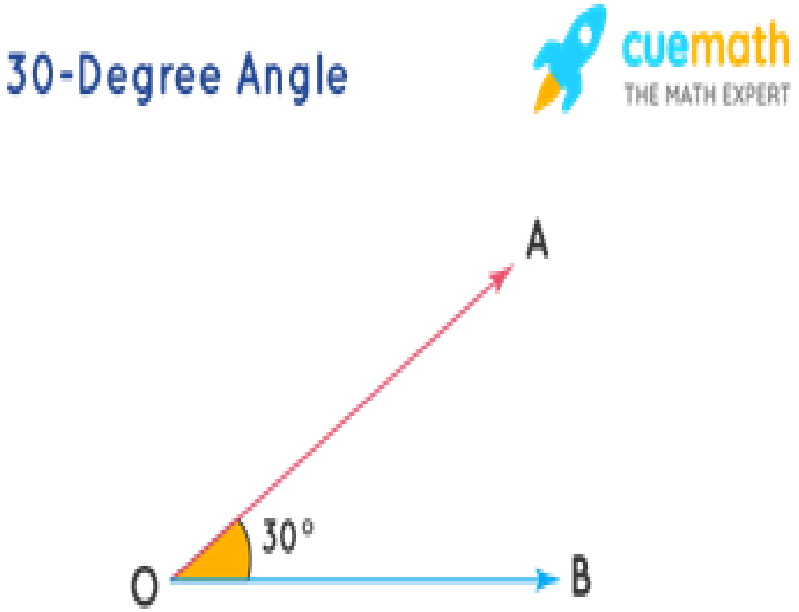
Water riding drone setup



- A helium gas balloon attached to the bottom of the ambulance keeps the ambulance buoyant when submerged in water.
- The rear wheel mounted on the ambulance is raised by 30° and the ambulance is driven backwards.
- Ambulance has a 20 degree bank on the front wheel.
- Thus changing the position leads to the destination and reaches the destination.

Wheel Position water

Rear wheel Position



Front wheel Position