



FLYBULANCE

Ambulance Drone

A prototype emergency survival flying kit

HEART-ATTACKS

Specific field

SOME FACTS

- 25 % of people die from heart attack
- Heart related diseases is occurring to all age groups
- Almost 3% of people die in ambulance delay or any other problems for not getting treated soon
- Heart attacks can occur at any place for an heart patient with no regards to time ,place or situation.

HOW TO REDUCE THIS?

Now, we have come up with a prototype design in which the medicines and all the necessary equipments in order to increase the probability of a person's life by making it fly to them until the ambulance or other necessary service reach them.

Ambulance drone is a computerised quadcopter with a capability to fly to the person with all the medicines and other prototype tools with a led screen with telling the other people instructions on how to use the tool which drastically increases the person's life.

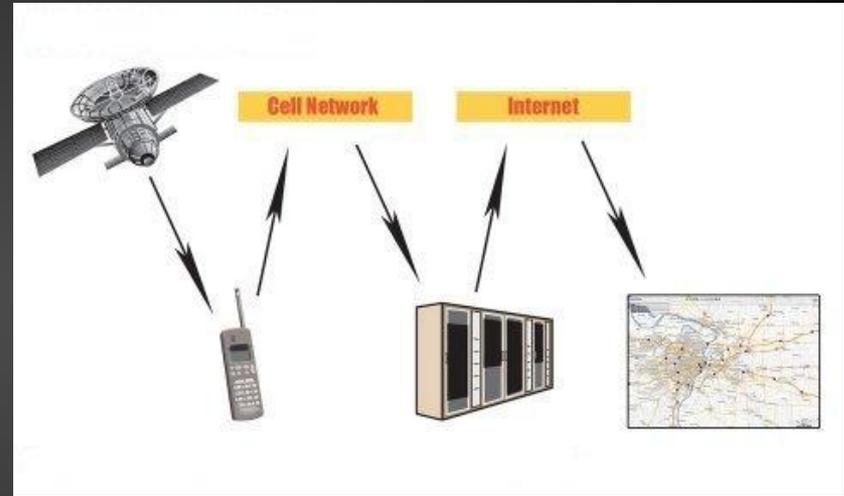
HOW IT WORKS?

Basically first when a caller calls for the drone, we track the location in terms of gps coordinates using third party application to determine the coordinates which will be inputted into the drone autopilot system.

The drone will travel at a speed of 100 kmph and will reach the destination in less than 3 minutes from the call.

And this drone using its artificial program it flies to the specified coordinates with providing visuals to the controller using live feed from the camera of the drone.

Provided that the controller should assist landing and avoiding obstacles.



AUTO GPS TRACKER

NEXT PHASE

Now On reaching the particular destination, it folds up to a compactible device, which is picked up and brought near the patient.

Next the doctors on the other end view the patient in his cabin through the live feed from the camera and talks to them through microphone and the drone emits this voice through a speaker present in it.



Live view for the doctor in his cabin about the emergency situation located somewhere else

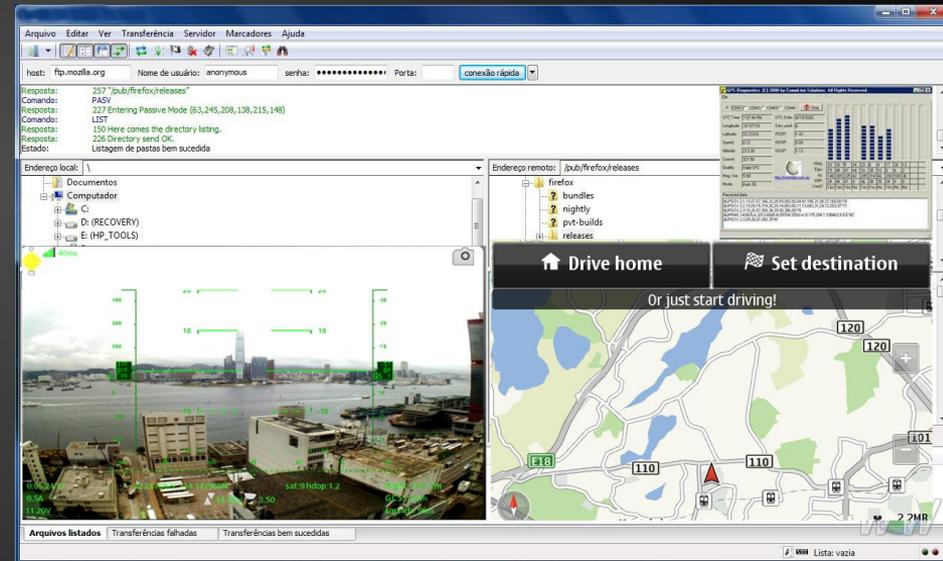
SOFTWARE INTERFACE

The software end consists of and user friendly interface through which the controller can easily operate the drone remotely, with also a visual feed for the controller from the camera and also a source for the doctors to view the patient.

The software is also equipped with a microphone so as to interrogate with the patient or so has to give instruction to the guardian.

The software also has a window which display us what the patient or the guardian as to view in the led display present on drone which provide visual reference to them.

It also consists of a map providing the current gps location of the drone and also the ready made command listing to be executed on the drone.



ADVANTAGES

- Reaches destination in 2-3 minutes
- Carries all kind of emergency medical kits
- Can fly in all weather, and the drone is weather proof
- Easily operatable and easy maintainance
- GPS equiped fly back home feature
- Very long range connectivity
- Poratable anywhere as it folds itself for portability
- Regular updates for more features and development
- LED screen for people to understand clearly and fastly and utilize all features completely

SKILLS REQUIRED

- not much deep flying skills required
- controls like an RC toy
- Software is very user friendly
- Only charging is a job

CONTENTS AND USES

The drone itself will be assembled and along with it comes a long high range remote to control or to fly the drone and the software which has to be installed onto a computer to manage the drone.

Accessories can also be added like the nvision glasses which gives a more proper control and view of the camera visuals

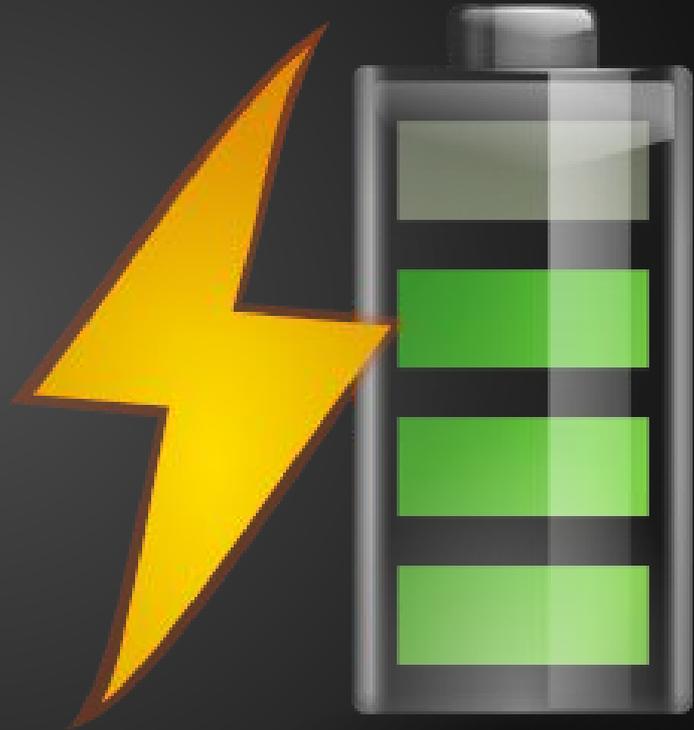
Flying the drone is very simple just as like flying in a videogame and the path and other details will be guided by the Gps and preprogrammed flight controller which is present on board the drone

The destination and other details can be easily imputed by a gps coordinate values

ONCE DONE

As soon as the work is done, the operator must press the return to home button which is present in the software which flies it back to home.

And it must be disarmed, batteries must be charged, and all drugs and medical kits must be updated and keep it ready for the next job.



DESIGN VIEW

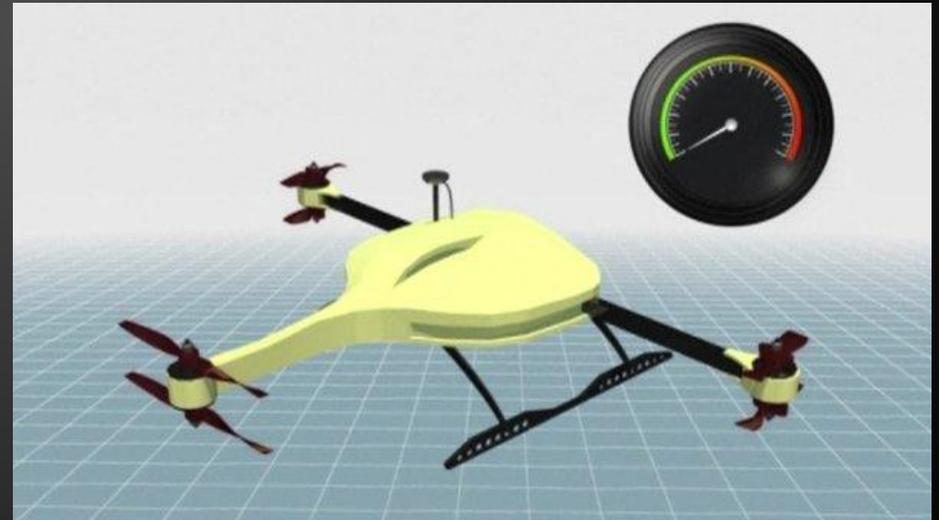
Coming to design view the ambulance drone is equipped with four super fast high speed motors which will make the drone fly up to 100kmph in order to reach the destination faster.

Also an LED display to guide the user or person

The drone has compartments to carry important medicines for energy use, and also other many kinds of small and prototype medical devices which is required.

The drone will also be equipped with extra batteries so not only as to power the motors for a long time but also to power all the medical prototype devices which will be present in the drone.

The cutting edge drone design make it more efficient, compactible and also efficient so has to get maximum utilisation from this.



SERVICES AND UTILIZATION

The flybulance is assembled by parts imported by US for best quality and efficiency with warranty and service provided by “HoverFly” a Reputed company who specializes in aircraft circuits and boards.

All the parts and components will have it own warranty period and certain components will have to be serviced time to time.



THANKYOU

WE NAME IT “FLYBULANCE”