**Flying cars technology page**

Main:

Flying Cars also known as the future of human transportation have been a thought in humans since a long time and is now slowly turning into a reality through years of research by several companies. This is the page where you will understand how exactly R&D departments of companies like ‘Volocopter’, ‘The Boeing Company’, ‘Klein Vision’ and several others putting in motion these evTOL projects.

This article includes:

1. History of flying cars
2. Working of flying cars
3. Making of flying cars

History:

There has been a dream of having a flying car since the 18th century when there was an attempt of making a gliding horse cart, which for obvious reasons had failed but there were many attempts that followed which also failed in some or the other way due to some or the other reason. The first or the main attempt that I am going to talk about over here is the **Curtiss Autoplane.**

**Curtiss Autoplane:**

in 1917, Glenn Curtiss who is also called as the father of flying cars by many, he unveiled the first attempt at a flying car at New York’s pan American Aeronautical Exposition. Like a car, it had an aluminum body, and the windows were made by plastic, and it also included a heater. But, since not every first attempt works out this did not too. There were many rumors that the plane did not fly but the truth is that it just couldn’t take a full flight but it managed to take a few short hops.

Let us jump into one of the first working attempt at flying cars.

**Airphibian:**

in 1946, Robert Fulton developed the Airphibian. But the way he thought was quite different than others, instead of creating a car which could fly he created a plane which could drive on the road which was fully functional and was also certified by the Civil Aeronautics Administration now know as Federal Aviation Administration(FAA) . It had 150 horsepower and could fly at the speed of 150mph and could drive at the speed of 50mph. But, this attempt also floundered due to insufficient amount of money.

For more information visit the following sites:

1. <https://auto.howstuffworks.com/flying-car1.html>
2. <https://www.popularmechanics.com/technology/infrastructure/g2021/history-of-flying-car/>

Working:

There are mainly 3 types of flying car concepts:

1. The PAL-V model
2. The simple airplane model
3. The drone model

**PAL-V:**

This is the model is created by PAL-V. It’s the model in which the automobile has retractable rotors and can be driven on a road using the three wheels it stands on. It steers like a car but banks like a motorcycle. Many people assume it’s a helicopter that can stay on land for a longer time, but it actually contains a lot of mechanics

**Simple Airplane concept:**

This is the model which comes in the mind of many. It’s basically an automobile containing retractable airfoils and rest of it is like a simple car containing a small engine. This concept was recently seen in Klein-Visions take on the flying car which contained a 1.6L petrol BMW Engine.

**Drone concept:**

This is the model used in small drones used for security, videography, photography, utility and even as a toy for teenagers. It’s basically an automobile which has multiple rotors on top of it and using the perfect weight distribution it takes lift. This concept was recently seen in volocopter’s take on the flying cars which is a German aircraft manufacturer.

Making: