

# INNOVATION STATION INDUSTRIAL REVOLUTION

My main project is airplanes

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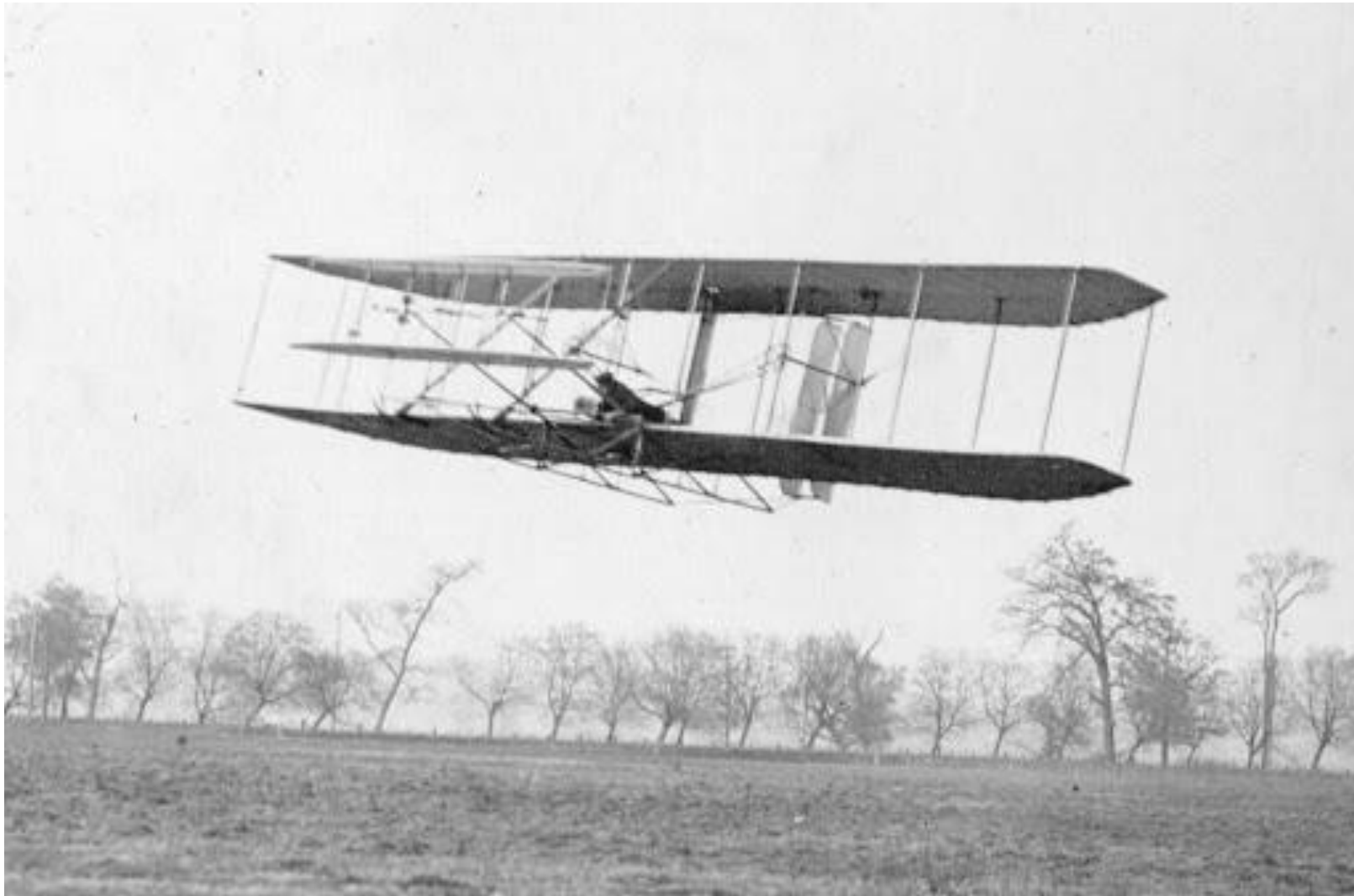
# Why were airplanes invented

Planes were invented because people needed something that could go faster and carry stuff to other places way faster than anything. The Wright brothers invented the airplane to go to places faster. First it was just a plane that could only carry one passenger, which was the pilot. It was hard at first to try to even lift the machine, but now days way easier to lift off, but I feel like people can still improve on the lifting part and getting down. Airplanes can be super helpful now because they can carry things, take you to far places, and military jets.

# Problems that faced innovation

- There were multiple problems that have faced the innovation. The first airplane couldn't even last in the air for an hour. The average of the first plane only could be in the air for about 12 seconds. The body of the airplane was very strange, and it could barely even hold together and the passenger. If you look at the first airplane and the modern airplane you can see how much it has changed. The modern one has improved a lot such as speed, more passengers, longer duration, and much more linger in the air. I think in the future the airplane will also be way more advanced than the current airplane.





## Airplanes

In December 17, 1905  
Wilbur and Orville Wright  
invented the airplane. The  
first airplane couldn't  
even last 1 minute in the  
air. It was more of a glider.



## Why I chose the project

I chose this subject because airplanes are one of the biggest things that happened on earth it was way more efficient to travel places.

# Problem that faced innovation since creation

- There were so many problems with the first model of the airplane. The plane was more of a glider. It couldn't last more than a minute in the air and landing was a big problem. The wright brothers were engineers and they owned a bike shop. The first airplane was like a bicycle and they added like a huge kite. There were 3 main problems for this plane to work.
- Lifting they couldn't lift the plane, so they had to run and jump off a high place. This caused so many injuries, but they kept going.
- Landing was also a big issue landing would be very rough and it would also damage the machine a little.
- Carrying is a big one. It could only carry one person and they has to lay down every time they ride. It was super dangerous because they didn't really focus on safety.

# Problem that has been fixed

- A lot of those previous problems are now gone now. Now days you can go on a plane and not worry about anything except for the coronavirus. Taking off is way easier and safer. Also landing has improved a lot. an average airplane can hold about 150,000 pounds. And 90,000 with an empty plane. But the first airplane could only hold 1 person.



# 25 years from now on

- I think that the airplane would be much more improved by better going engine less co2 problems because now it's a big problem. I think there aren't many things that can really improve but some of them are co2 reduction, faster arrival time, and quality.
- Co2 reduction should be a big part because we are now at a world crisis. Our world could really use airplanes that doesn't cause so much co2.
- Faster arrival time. I think this could be improved easily. I think it would be better if you could get to place way faster.
- Quality is what everyone really cares about because you don't want to be in a trashy looking. People want a place to lay down it is hard to sit for a long time. I think adding seats that can become beds would be really helpful.





## consequences

Flying a plane contributes to global warming, pollution, and huge carbon footprint. These are big things that cause global warming. These are big things that we need to worry about and trying to improve this.

# Future

- I think that planes in the future are going to have self going planes and going to be way lighter. lastly it will go faster. Right now there are a lot of types of planes such as VLJ (very light jets), business planes, military planes and way more. I think if we could think more about attaching other planes special attachment into one plane. If we could do that, we could probably make a vway better better version of the current airplanes that we have presently.



Thank you for watching

