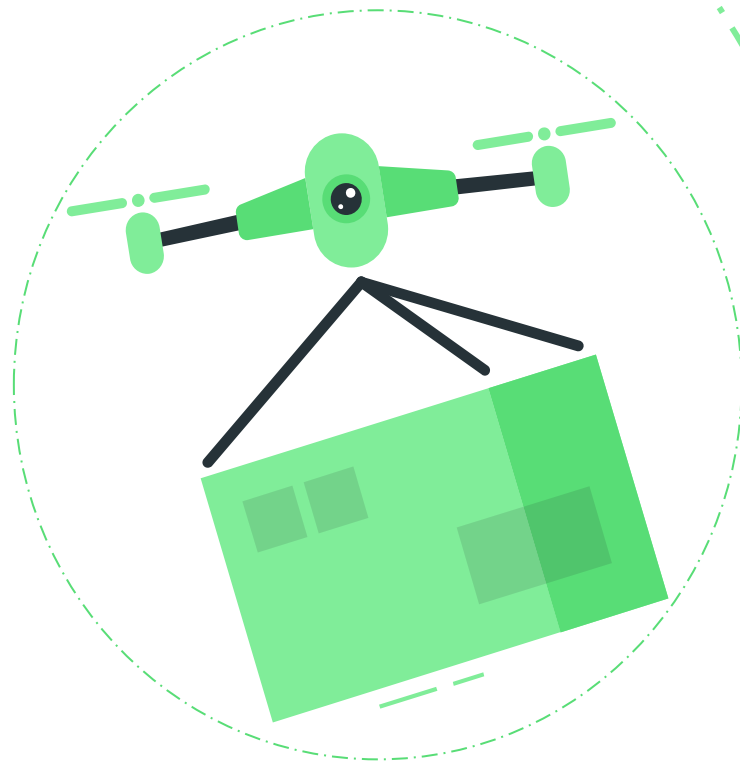


Drone

Arystanova Aidana





The term “drone” usually refers to any unpiloted aircraft. Drones can be as large as an aircraft or as small as the palm of your hand.

What it is?

-Drone?

-NO, It's BIRD

How it work?

- The drones are controlled by Ground Control Systems
 - Has cameras, GPS and laser
- Sensors and navigation help avoid danger



- Father?!

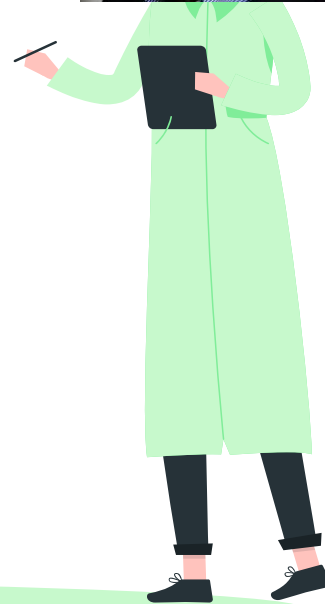
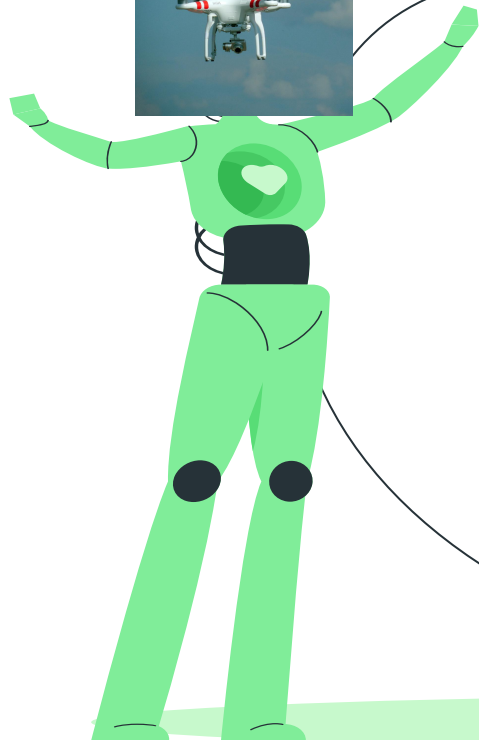


- Yes, son...



Abraham Karem

"Drone father"



Does it make life easier?

1

Military

Used as target decoys, for combat missions, research and development

2

Agriculture

to track and locate lost livestock

3

Filming

in flight scenes to convey the atmosphere of heights

4

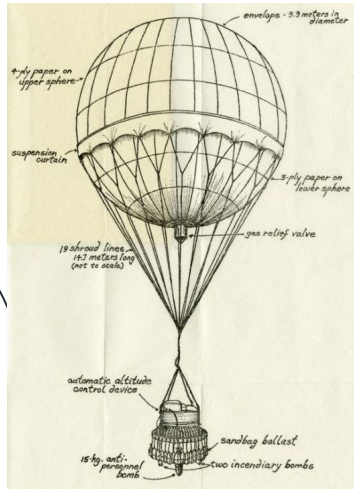
Delivery



Project Timeline

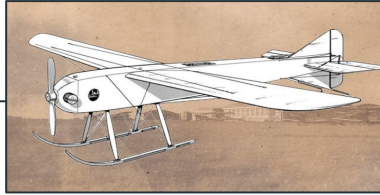
1838

Austrian soldiers used unmanned balloons filled with explosives



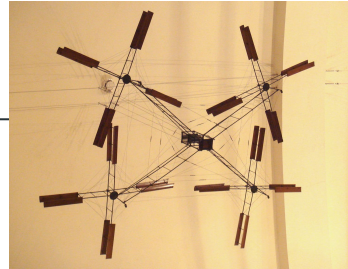
1982

Battlefield UAVs



1970

first drone - Albatross



2021

Modern Drone



Environment



- ★ they can be used for monitoring nature, gathering climate data, or for aerial mapping

➤ he drone ended up crash-landing right into a swamp, causing 3,000 nesting terns to fly away

- ★ monitor environmental disasters in areas that aren't necessarily safe to go, during floods, or after storms.



The story, which turned the world's attention to the small South Pacific country of Vanuatu



An abstract graphic on a solid pink background. It features several thin, black, hand-drawn, overlapping loops and a long wavy line at the bottom. There are six green circles of varying sizes, some with white outlines, scattered across the composition. The text "Project part 2" is centered in a bold, black, serif font.

Project part 2

Do drones have a realistic place in a pandemic fight for delivering medical supplies in healthcare systems problems?

Research Problem

The question is, how can you optimize the delivery of drones on an hourly basis in all regions, making it the main method?

Methodology

To solve this problem, the author used the already available data from other articles and in addition, he experimented with a drone, calculating how many addresses it can serve in 4 hours. He loaded the data of the addressees into the power supply so that the drone could build its route as conveniently as possible. During the experiment, the drone flew around 7 houses located within 5 km of each other. He could possibly have done more, but circumstances such as the headwind made the task more difficult.

Findings

Develop a continental regulatory framework for the use of UAVs worldwide and harmonize the policies of different countries and regions (health communities)

Foster collaborations, partnerships, networks and knowledge exchanges, triangular, and regional to facilitate the generalization and use of drone technology.

Drones: military weapons, surveillance or mapping tools for environmental monitoring? The need for legal framework is required

Research problem

In the 21st century, drones have found a place in the military strategic purposes of various shit. Such use of drones can lead to violation of laws and personal boundaries of society. The author of this work offers several pros and cons of this topic.

Methodology

The data controller can have a legitimate defence as long as the purpose of collecting, processing, and restoring data is for the purpose of (i) journalism; (ii) research; (iii) freedom of expression; or (iv) artistic/literary purposes.

Findings

Drones make life easier in many ways. But they often violate confidentiality. Thus, they were seen in the airports, where they often broke and hurt people. It is possible and necessary to use drones, but it is worth changing aspects in the legislation

Alessia Vacca (2017), Hiroko Onishi (2017)

Energy consumption models for delivery drones: A comparison and assessment

Research Problem

In their talk, the authors will look for new environmentally friendly ways to restore energy in drones

Methodology

This document provides a consistent framework to facilitate understanding of the various drone power consumption patterns and the relationships between key factors and performance metrics to facilitate drone delivery decisions

Findings

At the end of his work, the author proposed to use more intensive field tests for drones in interstate organizations. In addition to this, he made calculations based on the literature data and their article

Juan Zhang (2021) , James F. Campbell (2021) , Donald C. Sweeney (2021) ,
Andrea C. Hupman (2021)

Classifications, applications, and design challenges of drones: A review

Research Problem	Methodology	Findings
in this work, the author is going to discuss new models of drones, both unmanned and new with virtual intelligence.	Unfortunately, it was not possible to get access to the author's works and their methodology for analyzing the problem. But it is clear that in the end they will come to the conclusion that artificial intelligence drones are only a matter of time. And soon such a thing will become publicly available.	

Using drones for parcels delivery process

The main theme raised by the author is the adaptation of drones to regular postal work.

As a result of his calculations and analysis, he came to the conclusion that drones can deliver on an equal footing with ordinary workers.

Methodology

Research Problem

Findings

In his studies, he uses precise numbers and literary resources to extract and compute more detailed information. Thus, using the Jav formula, he projected all the risks and translated them into a regular Kpflex diagram.

References

Jalel, E. (2021).Do drones have a realistic place in a pandemic fight for delivering medical supplies in healthcare systems problems?. Chinese Journal of Aeronautics Volume 34, Issue 2, Pages 182-190.

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Using drones for parcels delivery process

Luidgi, D.P.P, & Francesca, G., & Giusy, M.,(2020). Procedia Manufacturing Volume 42, Pages 488-497.

<https://doi.org/10.1016/j.promfg.2020.02.043>

The background of the slide features several overlapping, hand-drawn style blue loops and swirls on a light blue background. These lines are thin and fluid, creating a sense of movement and depth. The central text is positioned within the most complex part of these swirls.

Project Part 3

Opinions

1. Nowadays a drone can be picked up for under \$50 in most toy stores or superstores and are great fun.
2. Most of drones are using for photo reports.
3. Drone delivery could save many lives.
4. Drones are going to revolutionize the farming world, allowing farmers to view all their field whilst drinking a cup of tea.
5. It is possible that in the future a special drone police will be invented, which will catch criminals

Facts

1. These devices first came to the market in the 1990s and were developed by the military.
2. A drone is a machine that can fly without a pilot controlling it.
3. Lightweight drones like the Blade Nano QX or the Hubsan X4 cannot remain in the air for more than 10 minutes.
4. The first military drone, the Predator, targeted Osama Bin Laden.
5. The first country to manufacture drones was Israel.

Facts

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Opinions

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<https://www.thefactsite.com/facts-about-drones/>

Arystanova, A.,(2021).the last opinion is created by myself



FEEL THE MAGIC OF DRONE



If you wanted a drone, here's a bowl of drones)



Just feel it

Feel the atmosphere

Feel the magic

Feel the drone (: