



Exploring DroneUp Delivery with Walmart

3028Z-LadyDronez

Dallas, Texas, U.S.A.

**Abigail, Emma, Hazel, Litzy &
Wendy**

What is DroneUp Delivery?

Fast Delivery

Fast delivery generally refers to receiving your purchases quickly after ordering them online or in-store. DroneUp charges \$7 per delivery.

Walmart Partnership

DroneUp has collaborated with Walmart for efficient drone delivery service. They will start operating soon in Bentonville, Arkansas. Walmart's investment will provide DroneUp with the resources to continue developing a last-mile delivery solution.



Why did we Choose DroneUp Delivery?



This is
Wendy
our
pilot!

First Hand Experience

We chose to research more about DroneUp because our pilot Wendy and our Coach Mrs. Cortez got a chance to visit DroneUp and were able to see in person what the drones do to deliver people's orders. Because of the visit they were more intrigued to learn more about drones and what they can do to help in environment and in society.



Benefits Society

DroneUp has helped with Faster deliveries, less traffic, reduced pollution. They also provide access to hard to reach areas/rural that other vehicles cannot reach.



The Future

Growing job market in aviation and technology. There are many jobs that include drone services such as photographers, inspectors, warehouse workers, delivery services, etc.

Behind the Scenes of DroneUp

1

Package Preparation

Items are carefully loaded onto drones for takeoff.

There's a maximum weight limit of 10 pounds.

2

Flight Planning

Optimal routes are mapped to avoid obstacles. It was the process of producing a proposed flight path for a specific aircraft like the droneup.

3

Delivery Execution

Drones navigate directly to customer locations.

A DroneUp vehicle follows to keep the drone in line of sight.





Becoming a DroneUp Pilot

1

FAA Certification

Part 107 license required is for drone operation because it is necessary for them to receive this and fly the drone. This would be one of the rule regulations as they don't want anybody to get hurt.

2

Essential Skills

Navigation which would be the process of monitoring the drone, troubleshooting is the problem solving used with critical thinking, and finally regulatory knowledge crucial the understanding of one's regulatory environment.

3

Comprehensive Training

DroneUp provides safety and customer service education. The training would provide employees a greater understanding of your organization's processes, procedures, and goals. It also enables them with the knowledge and skills they need to be effective in their roles.

Preparing for our Future!

Being a part of a Aerial Drone Competition team, has prepared us for the future paths in many ways. It has taught us technical skills such as: programming, piloting, flight planning, safety regulations, data analysis and troubleshooting. We have also learned many soft skills that will prepare us for any career in STEM, such as: teamwork, communication, problem-solving, critical thinking, leadership, staying focused under pressure, adaptability to any situation, and most of all perseverance. [Insert LadyDronez singing “Don’t you give up, na, na, na...”]



Our Team's Research and Resources

FAA Regulations

We learned that as of November 27, 2024, Droneup, has received the part 135 Air Carrier Certificate. Creating terms based on how the drones from Droneup will now be able to be operate first in the location in Dallas and Ft. Worth area as an desirable package delivery service source.

Field Research

Wendy's visit with the DroneUp at her local Neighborhood Walmart and the pictures Mrs. Cortez showed us offered us firsthand knowledge of DroneUp.



This is our coach and next to her is Wendy.



Bibliography

DroneUp. Interview. Conducted by LadyBots, June 2022.

Package Delivery by Drones FAA

https://www.faa.gov/uas/advanced_operations/package_delivery_drone

CEO eyes breakthrough year as DroneUp ramps up Walmart delivery pilot

<https://www.freightwaves.com/news/ceo-eyes-breakthrough-year-as-droneup-ramps-up-walmart-delivery-pilot>

Picture for Benefits Society

<https://www.futureelectronics.com/blog/article/drones-and-the-future-of-transportation/>