The advantages of drone food delivery

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**Abstract**

Technology is a gift of God. It emanates to make human life easier and relaxed. With the positive use of technology, individuals become more civilized and productive than before. The study provides broad information regarding the new innovation that is a drone. The food delivery through drone is making people surprised and excited. Food delivery services are waiting for the customers to place an order from the internet and they are ready to provide the item in no time. This power of technology is bringing positive change to the planet. The essay is based on the advantages of drone food delivery in the life of the people as well as its positive impact on the environment. Sustainability is the biggest focus of today's world and this technology is perfectly motivating the mission. There is the expected environmental improvement in the future with the increase in the use of drone delivery. In addition, it will become the factor to minimize the unequal distribution of the resources between the urban and rural area of the nation.

**The Advantages of Drone Food Delivery**

**Introduction**

With the increase in the competition in the market of each industry, every firm is trying to improve and beat its rival through technology advancement. At this point, the innovation of drone delivery played an important role not only for the firms but also for the people those are availing the service. The world has transformed undoubtedly. This age has experience trends that were not seen before in any century or in any time of human existence. Technology advancement is the main factor that is bringing the change in our daily lives. Besides providing easy and most reliable cooking means, technology is now playing its part in food delivery. Food delivery on time was the big issue however new unmanned aerial vehicle comes as the best solution of the issue. Since the time constraint is the most compelling reason for such uses of drones, the far away and crowded metropolitans are the other reasons why this technology is grabbing the masses attention. The main purpose of the essay is to discuss the positive impact of drone food delivery on the lives of the people. Drone food delivery is not commonly used yet however it would have a progressive impact on the country economically, socially, as well as environmentally.

Besides time issue, drone food delivery is the technology that is taking everyone’s attention because of its accessibility to the remote area and its mobility. This technology is helping to enter into the fourth industrial revolution as it is helpful to increase the capacity of production efficiently. Back in 2016, one of the largest pizza chains worldwide delivered its order by using drone technology. It was the very first time, the world witnessed such a use of drone technology. New Zealand’s couple received the very first drone delivery. The reason for attention was not only the use of technology but also an efficient and productive outcome (Hazlegreaves, 2019). The drone took the delivery to the twenty miles north of Auckland within five minutes. The result of the drone delivery motivated the other companies to use the same strategy in the future as time constraint is a big issue for the food industry. It promotes sustainability, an important goal of the contemporary world, and increases the demand of the skilled workers.

**Discussion**

The first drone food delivery was managed after the number of testing delivery flights and permission of the government. The success of the innovation motivated the respected and rival companies to use the technology. It is possible that the number of drone food delivery will increase sharply in the future. For instance, the number of food order through the internet is already increasing every year. People prefer placing their orders online rather than going to the store or making the call to make the server write the order for them. The innovation has kicked off a race among firms to becoming the first to deliver food by air. Not only the food industry but also various other industries are looking forward to drone technology. For instance, Google and Amazon are already trying the technology to make it a productive strategy for their business. The reason for the popularity of drone delivery is because of its eco-friendly credibility. There is a number of reasons and advantages which make sure that the food industry should promote technology and should make the best use out of it.

The best advantage of food drone delivery is the accessibility to the remote area. The famous food chain is mostly located in the city and area far from the main city often face difficulty to deliver the order. Even food franchise avoids taking orders from the people living far or rural area due to the long distance, high fuel consumption and traffic issues. Through drone food delivery, the issue can be resolved because it provides accessibility and mobility to the remote area (Park, Kim, &Suh, 2018). Orders can be delivered to the rural or remote area without any difficulty. It is useful for the consumer as well as for the firm because it will increase the numbers of orders from the rural area and firm will be able to increase its production. Therefore, drone technology promises a positive social impact and reduce the unequal distribution of resources. The drone delivery is based on accuracy. These drones not only travel to the distant area but they also make sure to deliver the order to the right person. Human error to reach at the correct address often results in late delivery which has impacted the satisfaction level of the consumer. Therefore, with the help of drone delivery order can be dispensed to the recipient without making mistake and incidence of dispensing order to the wrong recipient will be decreased significantly. Each person rejoices the perks of food deli via drones regardless of the area he/she resides. A critical appraisal of the matter reveals it has never happened in centuries. For instance, unavailability of roads or sea route makes it very challenging to dispense foods to deprived communities to ensure their healthy livelihood. With the advent of drones delivering food, these challenges have been curbed thoroughly.

Drone food delivery is also beneficial for society. It ensures a positive social impact by providing solutions for various problems. Time management is a key factor in the success of the food industry. Providing food on time satisfies the consumers and it helps to enhance the popularity of the firm. Delivery boys often stuck in heavy traffic and there is no other way to resolve this issue. Human delivery faces difficulties like a traffic jam, vehicle problem, and address confusion which can increase the delivery time. Companies often face refunding some amount to the consumer for being late. Drone food delivery is perfect for time management. It not only ensures no late delivery but also decreases the time duration for delivering the order. The first order delivery took less than 5 minutes to reach to the 20miles which shows that food delivery can be faster. It also means that firms can increase the area of their services by taking the order from the large area of the population than before. Therefore, the drone won't get stuck in the jam and can reach to the recipients in the least time and they have a lesser error margin to locate the exact location. Firms will be able to convert their existing human resources to the other productive tasks and strategies which can improve the services even further. Time will increase for the workers to look after the regular operations of the firm with the assurance of the higher quality of the product. Another social impact of drone delivery is the safety of the human resources. Cases of accidents and deaths of the delivery boys are common in every country. Through drone delivery, the death rate of the employee or delivery boys will reduce sharply (“Here’s how drone delivery will change the face of global logistics,” n.d.).

Besides social impact drone delivery acquires economic benefits as well. For instance, by improving the time management firms can expand their business where expansion of business is beneficial for the economy. The cost of the production decreases with the decrease in delivery time. The cost of the production also decreases from other sources that are the expense of vehicles, their maintenance, and fuel cost will also be eliminated. Lesser use of all these factors will significantly reduce the price of the product and a decrease in the price means an increase in the demand of the product. By increasing both the supply and demand of the product firms can increase their profit and more people will be able to consume the food which is definitely a benefit for the economy from the food industry. With the introduction of the technology, various researchers raised the question that by replacing the human delivery to the drone delivery will reduce the employment level of the country which is harmful to the economy; however, truth is reserved to the assumption. By increasing the number of drone delivery there will increase the opportunities for skilled workers. Drone delivery requires the human resource to command the drone. Employees sitting in the control room provide the command to the remote and control its movement which means firms will increase their demand for the employee to control the drone delivery (“7 Hot Trends That Will Change the Future of the Food Delivery Industry,” n.d.).

The most important impact of drone food delivery is the impact on the environment. The menace of climate change and rising temperatures call for formulating and implementing resources cultivated through green energy. Irrefutably, it is the need of the hour. Drone delivery is eco-friendly technology. Various technology results in the developing hazards for the environment. For instance, smoke from the vehicles or factories discharge carbon dioxide and other chemicals which are harmful to the lives of all living beings. However, this is not the case of drone technology. Drone works on batteries and does not discharge any harmful gas. Sustainability is the main goal of the contemporary world. Over-consumption of the human resources, water resources, land resources, and other natural resources are destroying the green world (“Drone-based package delivery has environmental advantages,” 2018). Overconsumption results in more pollution, trash and inefficient use of resources. In this situation, drone delivery can be one of the best innovation to resolve the issue of over-consumption. Through online delivery, people are making access to the purchasing of the product and by increasing drone delivery sustainability will be promoted. Fewer resources can be used for production and delivery. Pollution due to vehicles and the use of human resources will be reduced. A wide range of argument has supplemented the argument. For instance, research indicates that global warming potential for one-kilometer delivery through drone is 1/6 that of bicycle delivery, and the particulates created by bicycle delivery is double that of drone delivery (“The Energy Implications of Drones for Package Delivery: A Geographic Information System Comparison | RAND,” n.d.). In addition, by promoting the use of wind and solar energy instead of electricity for the battery charging would further increase the drone delivery impact on the environment (“Delivering packages with drones may benefit the environment,” n.d.).

While highlighting the advantages of the drone delivery, it is also important to discuss the issues related to the innovation. It is about time to adopt drone delivery technology due to a number of reasons. For instance, drone delivery will increase the demand of the skilled worker but it will reduce the demand of unskilled workers like delivery boys but its result can be positive that means people will encourage for enhancing their skills to take the new opportunities. In other words, employee demand will shift from unskilled to the skilled employees but it never means a decrease in overall employment level. These instances reveal that drone technology kay cause harm to workforce and consequently manifest in pertinent adversities for economy. A drone is independent of any human driving it or monitoring it critically which replaces employees and permits robotic technology and artificial intelligence to fil the void. Other issues related to the drone delivery are security concerns, and battery life of the drones (“There’s more to drone deliveries than pizza | World Economic Forum,” n.d.). It can be observed that issues raised related to the drone delivery can be resolved and there is no such issue which creates any hazards for the human or for the environment (“The Drone Delivery Report,” 2018a).

**Conclusion**

The world is changing rapidly with the help of new and advanced technology. These technologies are the gift of God that come to provide human more comfort and making their life easier. There are various technologies that help in increasing productivity but they have a negative impact on nature. The innovation which makes human work easier without disturbing the environment and nature, is a true blessing. Drone delivery is an eco-friendly technology. In 2006, first drone delivery was made which got the world's attention. Drone delivery has a positive impact socially, economically and environmentally which making the industries other than food industry to promote innovation. Google and Amazon already testing the technology to transfer the order through drone delivery. Drone delivery results in a decrease in the unequal distribution of technology. Order can be reached to the distant area where firms were not able to deliver food before. The number of the accidents will also be decreased because drone delivery does not use roads, it travels through air, therefore, face the least problem like traffic jam and accidents. The best outcome of drone delivery is time management. It delivers the order in the least time than the human delivery which allows firms to improve the other operations by using the saved time. The economic impact is also beneficial not only for the consumers but also for the firms. By reducing the lesser use of fuel, vehicles, and cost of its wear and tears can make the production cost lesser which allows firms to produce more product. The increase in supply which maintain the demand of the consumer and it is possible that the prices of the products will also be decreased. In addition, there will be an increase in employment opportunities for skilled people because drone delivery requires the professional to control the drone while reaching to the recipients. At the same time, unskilled workers or the delivery boys can be encouraged to help in the other tasks of the firms which will improve the overall productivity of the firms.

Drone delivery is helpful to enter into the fourth industrial revolution as it is useful to increase the capacity of production efficiently. The most crucial impact of drone delivery is the environmental impact. It works on battery and does not use any type of fuel to move. Global warming potential of the drone delivery is 1/6 and particulates creation is half that of the bicycle delivery. Therefore, it ensures sustainability by cutting down the over-consumption. There are some issues related to the drone delivery including battery life, privacy concerns, and low demand of unskilled worker but all these issues can be resolved. By catering the numbers of advantages of drone delivery it can be concluded that the drone delivery technology can bring the positive change in human lives and most important it can play a crucial role to maintain and balance the environment.

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