

Prifysgol Cymru
Y Drindod Dewi Sant
University of Wales
Trinity Saint David

Student name: Hassan saiedi

Student ID: 2118442

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AIR DRONE DELIVERY

Executive summary

The study shed information on drone use in food delivery plays an effective role in the services section has to be mentioned in this assignment. Technology now a day is getting advanced and organization use this technology in doing food delivery services, which can be used for security purposes. Using this technology help in reducing timesaving and time punctuality is to be well defined.

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Introduction

The study introduces a business idea related to air drone delivery for providing effective as well as fast services in cities. Along with this, mentioned techniques change food delivery systems in the UK. In this regard, mentioned delivery systems help to solve traffic problems as well as reduce the need for vehicle drivers all over the world. On the other hand, the study describes a tiger business plan to successfully exist. Furthermore, vehicles are not used for food delivery in cities that positively affect the environment such as reduced Co2 emissions. Along with this, it helps to reduce pollutants in air quality.

Business description and History

The mentioned idea was executed during a world facing a pandemic situation, in this time number of consumers gives online for food delivery. Along with this, in this condition due to pandemic conditions, food delivery companies identify new food delivery systems with the help of modern technology. With the help of air-drown food delivery services food delivery companies easily follow every protocol of the government to prevent covid-19 various (Kuter *et al.* 2021). On the other hand, the mentioned strategy can help to improve business performance in pandemic conditions in the UK. Major advantages of this services strategy company provide food delivery to a consumer within time. This is one effective strategy to fulfill consumer needs with help of creative uses of technology. Furthermore, a mentioned strategy of food delivery is the fastest as well as a safe delivery process within a low-cost investment.

Air-drown food delivery is helpful for consumers, however, in this delivery method, food delivery companies take minimum time to deliver food (Li *et al.* 2020). In this regard, the mentioned strategy reduces consumer threat of corona virus in pandemic conditions. Along with this, with help of this delivery system, consumers enjoy tasty, fresh, and hot food without any type of fear.

Aims and objectives

Aim

Purposes of a mentioned delivery system are to generate a revolution in the world's delivery system and with help of an air-drone delivery system organization reduce the complicity of a delivery system. Along with this, its strategy can help in making autonomous food delivery; however, it eliminates the use of drivers to deliver services.

Objectives

- To identify uses of mentioned delivery system to make a cleaner world
- This strategy plays a major role in delivery process of various organization
- Increment the uses of drones in various industries such as healthcare services etc.
- Uses advanced technology in drones that help to improve their services area

Mission and vision

Mission

Providing a 15% discount on pilot licenses is one important mission of this project. In this regard, for this, they need to make an effective team that helps to achieve maximum output from this project. Along with this, project team members need to organize a campaign to improve awareness about these services among consumers.

Vision

Project management strategy to make first choices for delivery of food air drops services system. In this regard, a project manager needs to contract with a food delivery company to expand their ideas. Along with this, the last vision across this project uses other sectors to improve flexibility in services.

Business structure

Rent costs	Food costs	Parcel costs	Drone costs
1 st month	£150	£120	£100
2 nd month	£160	£122	£130
3 rd month	£160	£128	£140
4 th month	£170	£120	£140
5 th month	£165	£125	£135

Figure 1: Financial data

Developer of air drops services for expanding their business need to adopt an effective business structure. In this regard, developers can adopt corporate as well as partnership business structures

for raising financial stability within a minimum time (Allam *et al.* 2022). While in corporate business developed uses other brand values to expand their business in the UK during a pandemic situation. However, one effective strategy obeys rules to prevent covid-19 in the UK. Due to this, developers can use other organization opportunities to run their businesses. On the other hand, they can choose a partnership business structure to provide services to other companies with some fixed percentages (Nayal *et al.* 2022). This method can work to expand business in a pandemic situation in the UK.

Legal Requirements

First, developers need to register their business, this is necessary to derive business legally in UK (Nolden *et al.* 2020). In this regard, developers need to take licenses for companies such as sole trader, partnership and corporate business types as per the UK government rules. After finishing registration process developer, need to take insurance on their company name. This strategy can protect the owner or developer in case something goes wrong. The third thing organization managers or founders need to take legal help as per business law solicitors after an issue comes up. As per UK, government rules provide equal opportunities for all people without mentioning discrimination such as color, gender, age and others. On the other hand, developers need to follow comply with data laws that derive safety of consumer personal details.

In the selection process of new employees, the HR department of the organization needs to check the right to work of employees as per their local rules. Along with this, organizations need to check DBS of employees, which introduces unspent criminal activity of employees (Stamper, 2021). On the other hand, it is HR as well as the company management department's responsibility to send any type of letter to employees in written format as per UK business law.

Product or service description

First, developers need to assemble resources that help manufacturing drones. In this regard, developers need to check the quality of resources to make ideal drones to provide effective food delivery to consumers. Along with this, developers need to assemble a number of things such as motors, electronic speed control, frame of drones, batteries, connectors, cameras etc (Jha *et al.* 2021). All of the mentioned things are necessary to manufacture ideal drones for delivering food services to the consumer.

	Prices per service	Prices per week	Prices per month
1 st month	£15	£105	£420
2 nd month	£30	£210	£840
3 rd month	£35	£245	£980
4 th month	£36	£252	£1,008
5 th month	£38	£266	£1,064

Figure 2: Flow case statement

After assembling all parts of drones are delivered to the restaurant for testing to provide effective food delivery in their city. In this regard, restaurant manager satisfies with performance of drones their every part such as speed, battery running time, load capacity etc. after completing testing of a drone as per service quality of a restaurant.

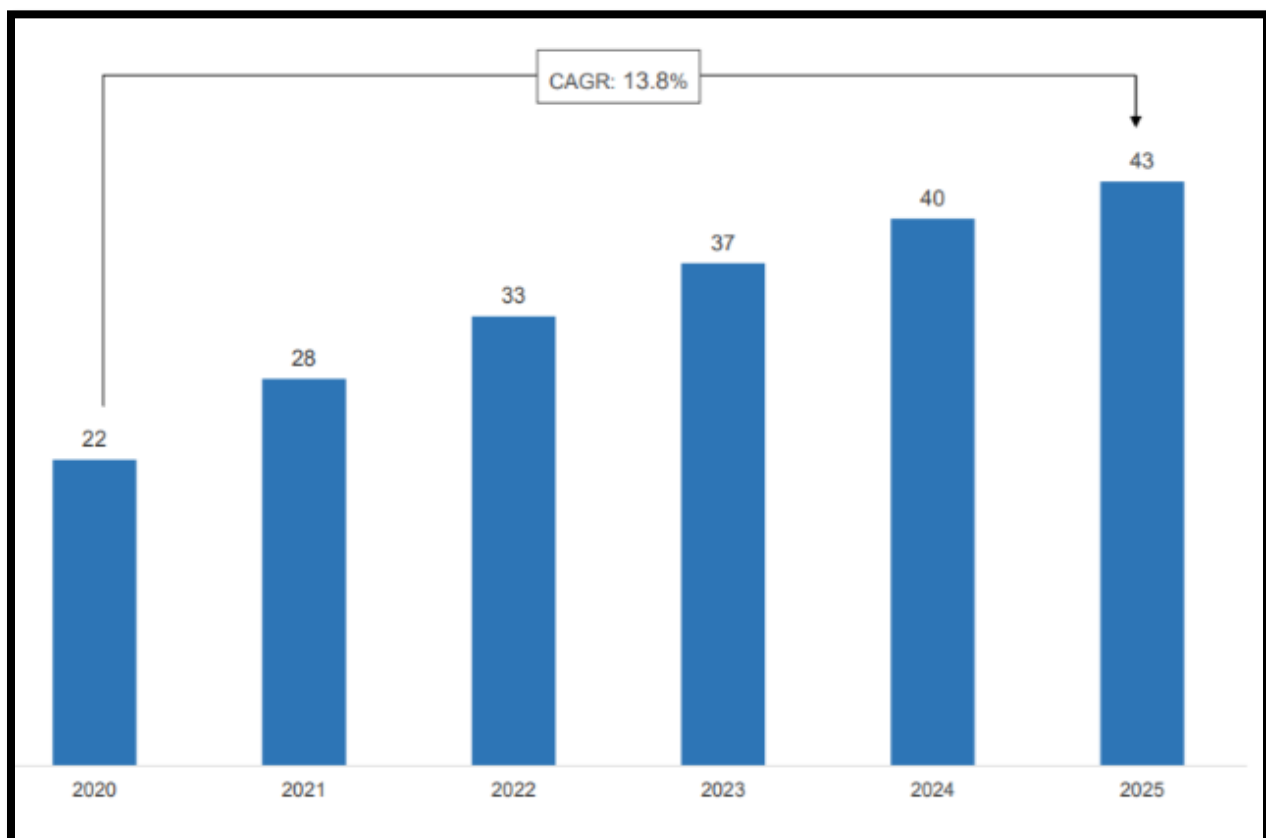


Figure 3: Market Size of Drone

(Sources: Weforum.org, 2022)

Above-mentioned figure show, global drone market from 2020 to 2025. Along with this, as per mentioned data in a figure searcher predict in the year 2025 drone generate revenue about 43 billion U.S dollars all over the world. On the other hand, in the 2020 year researchers find revenue of drone market is about 22 billion U.S dollars. Revenue of drone market gradually increases by 14% from 2020 to 2025 (Weforum.org, 2022). Above- mentioned data show the future of the drone market is secure, in a situation developers need to give maximum attention to developing a qualitative drone. As per vision, developers need to expand their business outer from the food industry in the UK. Along with this developer can need to work on improving efficiency of their product. In this regard, developers need to identify faults of their drone such as carrying high weight and efficiency of the battery. This strategy can help to expand their business in another sector that is described in their mission.

Market analysis and trends

Due to advancements in technology, the market for drones is gradually increasing; however, air delivery strategy is used for delivery of resources to people in urban areas of the UK.

Assets		air drone delivery	
AssetType	Description	FY-2021	FY-2022
		Previous Year	Current Year
Current Assets	Cash	2,000	10,000
Current Assets	Investments	1,000	2,000
Current Assets	Inventories	1,000	5,000
Current Asset	Accounts receivable	2,000	4,000
Current Assets	Pre-paid expenses	3,000	7,000
Fixed Assets	Property and equipment	2,000	4,800
Assets		air drone delivery	
Asset Type	Description	FY-2021	FY-2022
		Previous Year	Current Year
Current Assets	Cash	2,533	4,267
Current Assets	Investments	2,733	3,924

Figure 4: Balance Sheet

This is one of major reason to improve market of drone; however, several retail organizations use this advanced strategy for fast as well as safe delivery to client.

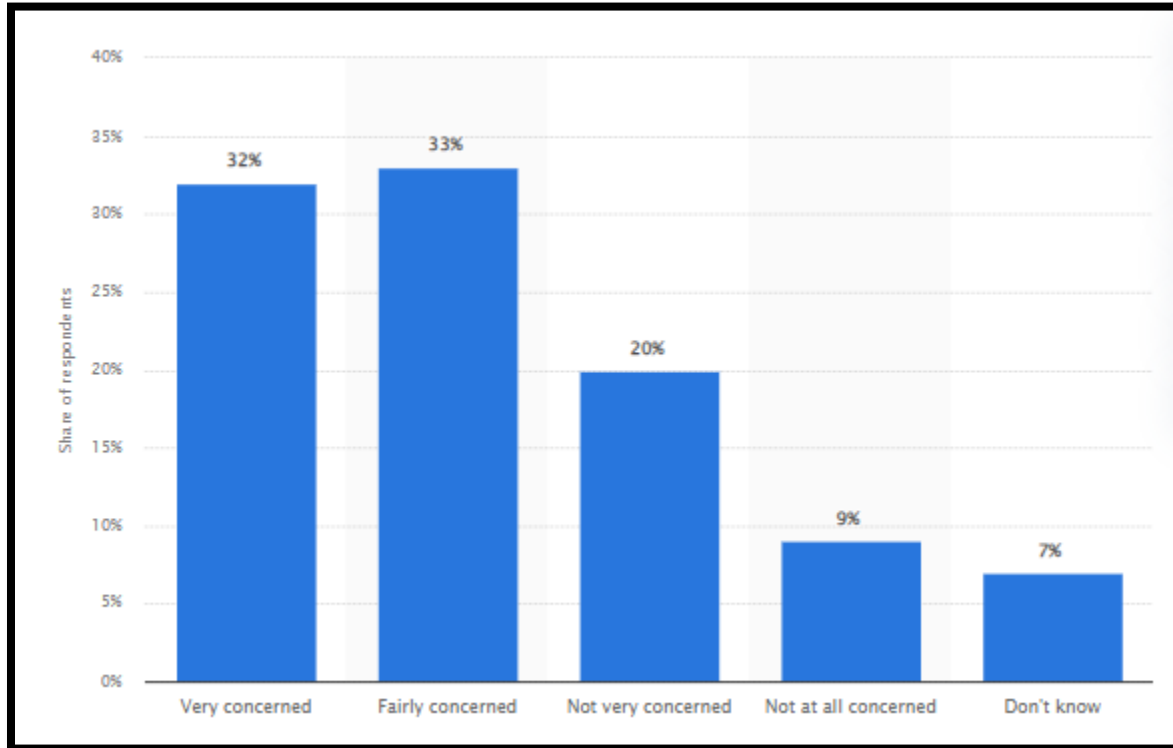


Figure 5: Uses of Drones in UK to Improve Security

(Sources: Statista.com, 2022)

Above figure show uses of drones is to improve national security in UK in 2016. As per mentioned data, about 32% of people who give responses were very concerned related to national security. Along with this, about 33% of people who provided responses were concerned about the security of the nation. On the other hand, only 9% of people who gave responses were not at all concerned with improving the security of the nation with the help of drowns (Statista.com, 2022). Above-mentioned data show that drones are used not only for delivery of food to consumers within a time. Along with this, developed need is to improve sensitivity of drones to improve security level of a nation. In this regard, developers can use various types of sensors that help to expand their business in other fields (Fernandez *et al.* 2019). On the other hand, developers need to improve their clarity with the help of using a standard quality camera. These techniques help to improve drowns used for improving the security system of a nation. Quality of cameras helps to identify which places on the national border occur sensitive activity.

Income statement	Current year	Year 2	Year 3	Year 4
Revenue from sales commission	2	3	4	5.5
Revenue package commission	3	4	5	6.6
App advertisements	3.3	5	6	6
Total net revenue	8.3	12	15	13.1

Figure 6: Loss and Profit

This method can help to prevent any terrorist activity in UK that is necessary to improve financial stability of government.

Swot analysis

Strength	Weakness
With help of this strategy, organizations provide services within time to consumer	Cost of product is high
Due to efficiency of drones demand is continuously increasing in market	It is an initial phase of mentioned technology
With help of mentioned strategy organization provide a discount to consumer	Demand for services is average due to new services strategy

<i>Opportunities</i>	<i>Threats</i>
Expand their business in a covid-19 pandemic situation	A reputed brand can build consumer belief
Introduces new market segment to expand food delivery business	Competition is high due to low cost of their accessories part
Operation cost is low because it is driverless	Chances replaced by providing effective services from other company

Table1: Short Analysis

Pestle analysis

<i>Political</i>	<i>Economic</i>	<i>Social</i>	<i>Technical</i>	<i>Legal</i>	<i>Environment al</i>
Political stability rate of UK is 90% (Tradingeconomics.com, 2022)	GDP of UK in 2021 is about 2.2 trillion British pounds	Diversity rate of UK in 2018 is about 13.8% (Diversityuk.org, 2022)	Internet users in UK about 45 million up to 2019	Corporate tax rate in UK varies from 19 to 25%	In 2021 UK produced about 341.5 million tones Co2 (Publishing.service.gov.uk)

Basic tax rate is 20%	GNP rate per capita in 2021 was 45380 dollars	Population growth of UK in 2022 is about 0.34%	As per UK government, about 50% of technical jobs increase in 2021 and 2020.		Air quality index varies between 42 to 22
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Table 2: Pestle analysis

Operations

At current time, drone developers use two basic functions to fly drones: navigation either function or flight mode. Along with this, drones are derived with help of electronic control remote which is connection is properly connected to a motor. In this regard, remote drones can easily be controlled from long distances. On the other hand, it provides a message to operate with the help of a sensor or camera, this causes it to still from deviled places up to consumers not accepting their delivery (Yeong *et al.* 2021). Along with this, food delivery drones do not include advanced versions of technology. However, in this situation, the cost of drones is high and is not affordable for restaurants to deliver services to consumers. Furthermore, drones can easily fly due to less weight of frames that are made of composite material.

Technology plans

The Idea of using drones in meetings to identify locations of people with help of a camera as well as a navigator. This is critical uses of drones are to identify the location of any sensitive device that is used to prevent illegal activity in the UK (Blythe and Johnson, 2021). Along with this, the motive of drowning was derived to find a location due to their minimum cost of delivery of product. On the other hand, with the help of mentioned technology, transportation of products is easier than traditional methods of transportation.

Conclusion

The study concludes with the impact of air-drown delivery on food delivery, especially in pandemic situations. On the other hand, studies discuss the trend or future of air drones to expand business by delivering fastest delivery. Along with this, the study discusses the role of

mentioned technology in improving the security system of a nation by using advanced technology. Furthermore, study provided strengths, weaknesses and opportunities for the mentioned strategy. Along with this, it derives political and economical factors from the UK and the operation of drones. Last study gives a technological plan for mentioned services to overcome issues related to services.

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