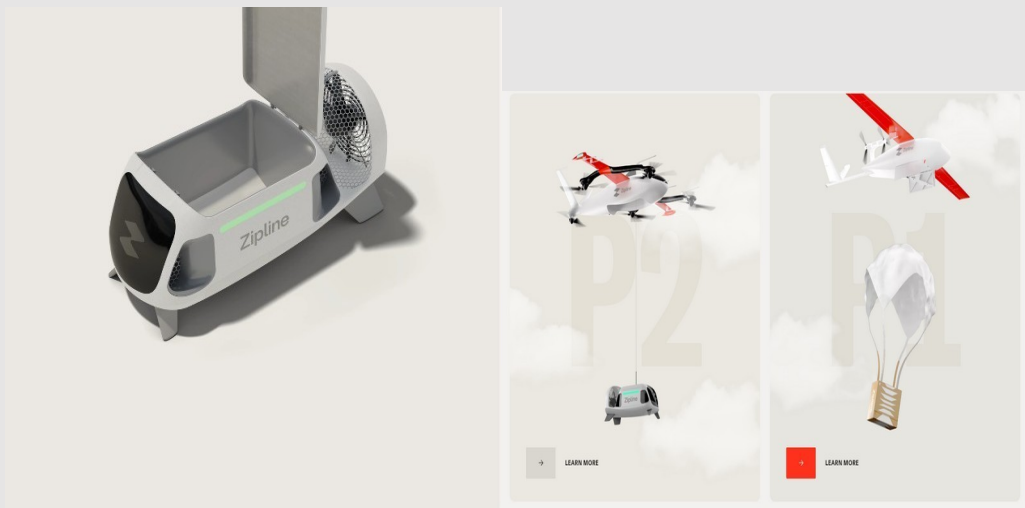


Week 7 Project

Part 2: An Innovation Project – Detailed Description – Zipline Healthcare Delivery



Course: MIS540 – Innovation Through Technology
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Part 2: An Innovation Project – Detailed Description

Executive Summary

This project will have a focus on the unique Zipline Health Delivery System. Zipline is a one of a kind delivery system that can send drones to outer areas of the world to deliver any types of medicines. In order to achieve such a unique delivery systems, we will have to go through obstacles such as, Drone Safety that is approved by the Federal Aviation Administration (FAA), Different Elevations that drones are granted, and lastly the monitoring system that will track drones across the world to ensure every delivery is successful and safe. We will come up with an Automation System (AS) that can be capable of being quiet, fast and precise, as this is some of the main concerns that FAA has.

“Detection and Avoidance System” or DAA. “The DAA system uses onboard acoustic-based technology to allow for safe and autonomous flights in complex, uncontrolled airspace. This will be our state of the art technology that will move this industry forward and innovate the idea of incorporating drones into our daily lives. DAA will give us the data we need to ensure every flight is successful and safe all while following the protocols set by the FAA. All this information will be explored and broken down throughout this article.

Introduction

Zipline was founded in 2011, although, Zipline didn’t become mainstream until about March of 2014 when the company took a turn and began to develop a medical drone delivery

service. This is a great company to do an innovative project on while the innovation of drones have come a long way since 2014. We will be digging deeper into the problems Zipline has gone through or yet to face also while providing a solution to their upcoming problems. The innovation idea is to use technology to improve healthcare delivery in developing countries. This can be done by using Drone technologies to provide deliveries to very remote areas that do not have immediate resources.

Project Plan

For a project that will revolutionize the way we look at drones, it will require a good size team. We will have Engineers - who will carry out any of the designs of this software. Network team - who will be in charge of the hardware, network and storage of Zipline's Data. Project manager - who will oversee the needs of the projects and create deadlines and meetings to collaborate. Developers – who will be programming the hardware and software the network team provides. Developers are a huge part of the team because they are the ones who will actually be creating the DAA itself. Business Manager – the one who will oversee that the project is being funded. Lastly the most important group, Quality engineers – they will be testing the product to be sure the DAA is FAA approved at all times. I estimate we will need a total of 12 people to carry this project to glory.

When I think of “Project Manager”, I think about all the different groups that need to come together to create an organized structure. We cannot achieve this without a project manager. The project manager is the glue to all groups during a project, they will schedule collaborations, they will make sure milestones are being reached, and they will provide the