Dear \_\_\_\_\_\_\_\_\_

Hello my name is \_\_\_\_\_ I am part of a team working on a senior capstone project at University of California, Santa Cruz. Our project is to develop a long range drone that can stay airborne and collect data for several hours by introducing low upkeep helium buoyancy into the drone’s design. I have attached our design brief for the project to this email. We were wondering if you would be interested in such a product and what uses or cases you see for it. Any information on what kind of data you would be collecting will help us in determining how to design the drone. We are wondering if you would be interested in a drone that could collect \_\_\_\_\_ data in certain areas over a long period of time, while also being environmentally friendly. We are looking for possible clients, and we think that \_\_\_\_ would be a good fit. Please let us know if you would like to work with us or have feedback on this project to make it more appealing.

Cheers

-\_\_\_\_\_\_\_\_\_\_ from Long Flight Time Buoyant Drone project

Potential Clients:

Fire fighters(Cal Fire)

Gabe Elkaim

UCSC firehouse

(Dylan)

Search and Rescue

(Leon)

San Francisco City

Air Force

(Jeremy)

Rokid

(Ryan)

Surveyors

Researchers  
Aerospace companies

(Isaac)

Santa Cruz Fire Department (SCFD)

Possible Sensors:

Camera

Infrared sensor (Could be used for fire detection)

Lidar (Be used for topographic mapping)

Something to monitor air quality

* Speed
* Pollution/composition
* Moisture
* Wind speed

Possible temporary radio transponder/repeater for an emergency situation.