



Design 2 Kick-off Presentation

Smart Vibes
January 23, 2016



A Look Back

- Project Goal / Understanding the project
- BOM
- System Level Design Report (SLDR)
- Project timeline

Project Timeline

Milestone 1: Interfacing the sensors with the microcontrollers

Milestone 2: Running the system using a lithium-ion with solar recharge

Milestone 3: Obtaining an accurate and reliable system

What's Next



- *Software Development*
 - Going through different libraries of data
 - Understanding how we can develop software to communicate efficiently with other components in the system
 - Creating a list of objectives to accomplish in software development
- *Hardware Assessment*
 - Understanding how the hardware communicates to one another
 - Refining the enclosure
 - Material Analysis
 - Stress Testing
 - Battery Efficiency

BOM

- Accelerometer
- Adafruit Feather Microcontroller
- MicroSD Card Board
- 16GB MicroSD Card
- 6600 mAh 3.7V Battery
- Enclosure material
- Solar Panel
- USB / DC / Solar Lithium Ion/Polymer charger
- Geophone
- Coin Cell Battery

Work Distribution

Joshua Watkins - Mechanical/Design

Marc-Edwin Rigaud - Programming

Jordan Faison - Electrical/Programming

Ezequiel Juarez - Electrical/Programming

Questions? Comments? Compliments?