Minutes

Location: Shed

Date: Thursday 15th December

Not In Attendance: N/A

Attendance: Dan Knox, Dharius Robinson, Daniel Carl Beauchamp, Natalie Mclaren

What's Been Done since the Previous Meeting:

N/A

Topics discussed:

• Data processing:

- We asked Dan Knox for his opinion on our thinking behind data processing based on the decision made in the last meeting on the 13th Dec - that processing will be done in two different places - between sensor and database and between database and api:
 - Dan Knox suggests we do it wherever we think it is going to solve a problem.

Source code:

 Dan Knox suggests we use classes instead of separate .ino files which compile into one.

• Case:

Dan Knox suggests we use 2mm max thickness for walls.

Battery:

- Adalogger docs will tell us how to monitor battery and work out voltage on it.
 - Use RTC to wake it up.

Adaptive rate - to be used on lorawan - will let us adjust spread factor:

 Increasing spread factor will help on those bridges where we lost signal at Westgate Towers.

Further Discussion:

General suggestions from Dan Knox:

- Make the framework we've used explicit explain the reason behind the chosen frameworks/libraries and state where we have used an external library.
- Emphasis on explaining why we have worked in a certain way or with certain technologies.

**** Brief meeting between group members to discuss what to do over christmas ****

• Dharius:

• Will work on completing the engineering menu and deciding on batteries.

Natalie:

• Will work on separating the source code from the one sketch file into separate classes and will start adding material to the corpus.

Daniel:

• Will continue working with LoRaWan and the the back-end (API).