Product design team 8
Minutes meeting 11, 15.12.2016

Present: Loïc, Micha, Louai, Tamara, Cyrill
Excused: Dominik

Communication channels used for this project:
Trello: [https://trello.com/b/pVXtibGt/magnetic-inductive-headlight](https://trello.com/b/pVXtibGt/magnetic-inductive-headlight)
Drive: [https://drive.google.com/drive/u/0/folders/0B7IF6TarFXPeZUJkdIJZTMDMwQjA](https://drive.google.com/drive/u/0/folders/0B7IF6TarFXPeZUJkdIJZTMDMwQjA)

Order address for components:
Office of Isabelle Schäfer, BM
Send an email before

Points to discuss:
1. Time planning:
   a. We are in the finalising part

2. Administrative:
   a. Budget: Put your orders (also possible future orders) in the budget, we need an estimation of the money spent:
      [https://docs.google.com/spreadsheets/d/1ia4HwpqtQsl9jIC8Ub7MjjW6SiCgLqLRF62BuRjFI](https://docs.google.com/spreadsheets/d/1ia4HwpqtQsl9jIC8Ub7MjjW6SiCgLqLRF62BuRjFI)
   b. Please put your components into the shopping list! We need them for analysing the cost of the product:
      [https://docs.google.com/spreadsheets/d/1BTRhUZ2idXD4Jx0o6bYSdy_6ICOLwxZlaAE9ag9fMw/edit#gid=0](https://docs.google.com/spreadsheets/d/1BTRhUZ2idXD4Jx0o6bYSdy_6ICOLwxZlaAE9ag9fMw/edit#gid=0)
   c. 

3. Updates about the separate divisions
   a. **LED part (Head: Loic)**
      We changed the led to a lower power led
      have to test it with maximal output of the harvesting board
   b. **Harvesting part (Cyrill, Dominik)**
      OK, produce 20 mA per coil
      test how to get a voltage output
   c. **Harvesting PCB and storage (Micha)**
      1 version with button to disable 2nd boost,
      with 1st boost for charging
      with 20F supercap soldered on
      → order different supercaps!
2nd version: without first boost, with a button for 2nd boost

d. Mechanical and structure (Tamara, Louai)
   Dominik: Where are the springs?
   Mikka orders the back box after the tests

   It’s too late to 3D print, we ordered the back boxes on Distrelec

   Back-box:
   1 PCB, 2 harvesting tubes, 2 supercaps
   Wait for PCB and supercaps, find suitable box
   - Silicon joint for waterproof?

e. marketing
   Market analysis in progress, still need the cost of all the components

f. report
   Write the report until the end of december!
   Method: Work together on Overleaf and distribute parts to write.
   Parts to write are distributed

Today: Test harvesting and order supercaps (Mikka, Cyrill, Loic)
Monday: Loic solders a new light pcb with a low power regulator
After reception of supercaps: test supercaps (cyrill)
After reception of box: put everything together Tamara, Louai<
Monday: Dominik: make a proper connection cable (flexible cable like telephone)
Today: Presentation template Mikka
Thursday afternoon: Rehearsing presentation (Tamara, Loic, Cyrill)