

Product design team 8

Minutes meeting 11, 9.12.2016

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

Communication channels used for this project:

Trello : <https://trello.com/b/pVXtibGt/magnetic-inductive-headlight>

Drive : <https://drive.google.com/drive/u/0/folders/0B7IF6TarFXPeZUJkdIZTMDMwQjA>

Blog : <http://blogs.epfl.ch/productdesignteam8>

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/1ia4HwptgQsI9jIC8UbB7MIjW6SiCqLqLRF62BuRJfFI>
 - 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_6IClOLwxZlaAE9ag9fMw/edit#gid=0
 - c.

3. Updates about the separate divisions
 - a. **LED part (Head : Loic)**
Soldered and tested, works
Loic is working on the solution for the button extension
 - b. **Harvesting part (Cyrill, Dominik)**
Coils produced, tested tonight, magnets ok
Decision: Take 1 or 2 coils
 - c. **Harvesting PCB and storage (Micha)**
Soldered and tested, works
 - d. **Mechanical and structure (Tamara, Louai)**
Front part finished. Springs are ordered by Dominic tonight.

Mikka orders the back box after the tests

Louai & Tamara will re-design (max wall thickness 2mm) and print the back box if below 100 CHF

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

4. Tasks for this week

- a. Loic: Solder the parts jeudi 16h
- b. Cyrill: Order 3 springs and test. Order also the springs for Louai (on the budget)
- c. Dominik: Talk to Tamara and give her the coil dimensions
- d. Louai: back box design for next WE/THUR and then send it to the atelier
- e. Tamara: back box design for next WE/THUR and then send it to the atelier
- f. Micha: Solder the parts jeudi 16h (Todo: Market analysis)

5. Tasks for next week

- a. Loic: Button extension
- b. Cyrill: Test and assembly
- c. Dominik: Test and assembly
- d. Louai: Optimise back box
- e. Tamara: Optimise back box
- f. Micha: Test and assembly, order back box, start ppt