

**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>

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](https://docs.google.com/spreadsheets/d/1BTRhUZ2idXD4Jx0o6bYSDy_6IClOLwxZlaAE9ag9fMw/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)