

INTERIM PRESENTATION

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## Problem Statement



CYCLISTS SAFETY NEEDS IMPROVEMENT



CYCLISTS ARE USING POLLUTED ROUTES



THE USE OF A NON-RENWABLE SOURCE OF ELECTICITY







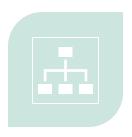
BUILD ON THE CYCLING COMMUNITY TO FIND BETTER – LESS POLLUTED ROUTES



CYCLISTS MUST BE CONSCIOUS ABOUT AIR QUALITY ISSUES

### **Objectives**

## Project Management



SCOPE

6 STAGES : PROPOSAL, DESIGN, INTERIM, EXECUTIVE, TESTING, FINAL



TIME

GANTT CHART, SPRINT PLAN, LIMITED TIME STILL HIGH QUALITY



**RESOURCES** 

MATERIAL COST MUST BE UNDER 100€, QUALITY STILL NEEDS TO BE HIGH



PEOPLE

TEAM COMMUNICATIONS,
SHARED
RESPONSIBILITIES,
STAKEHOLDERS
MANAGEMENT

## State of the Art



LOW END
ONLY SIMPLE FEATURES



HIGH END

TOO EXPENSIVE, NO AIR
POLLUTION SENSORS



SPECIALS

NOT WHAT WE ARE GOING

TO OFFER



AIR POLLUTION CREATING MAPS ONLY APPS TO PHONE, NOT INTEGRATED IN THE DEVICE A GREAT COMBINATION OF 2 TOOLS

A LACK OF FUNCTIONS COMPARED TO COMPETITORS

PARTNERSHIP WITH MUNICIPALITIES SYSTEM OF REWARD

THE LACK OF USERS



PRODUCT ANALYSIS



HIGH GDP in Europe and worldwide

HIGH SMARTPHONE ADOPTION RATE

HIGHEST BIKE SALERS to direct consumers



## SEGMENTATION

### MARKETING MIX



MUNICIPALITIES

PRODUCT PLACE PROMOTION PRICE

#### ETHICS & DEONTOLOGY



Guarantee of a safe and fully functional product

Ensuring fair and honest advertising, building trust with the consumers





Applying environmentally friendly solutions

All in accordance with European Union directives



#### SUSTAINABILITY

PEOPLE



COMMUNITYT SYSTEM

**USER'S SAFETY** 

AIR QUALITY AWARNESS

**PLANET** 



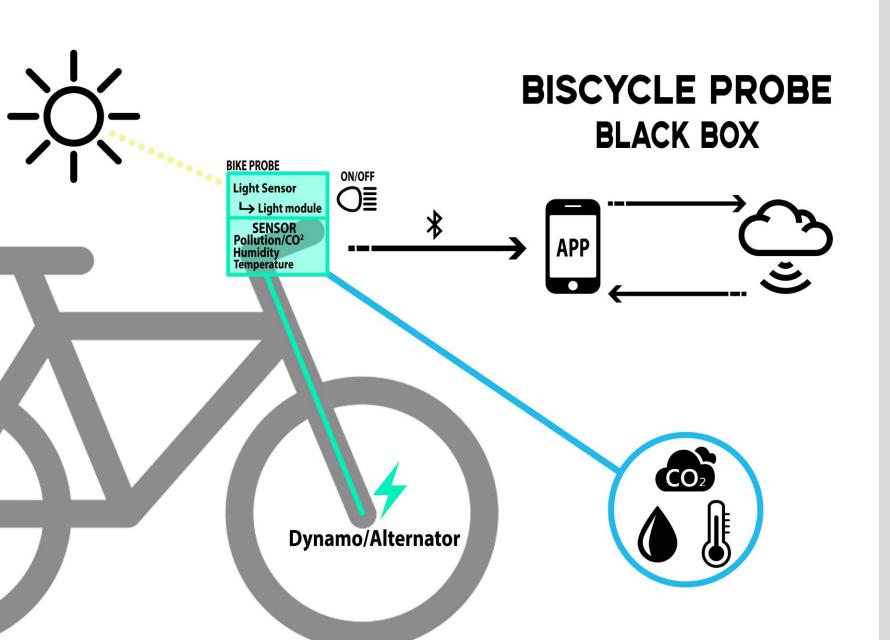
RECYCLABLE MATERIALS

RENEWABLE ENERGY POWERED

**PROFIT** 

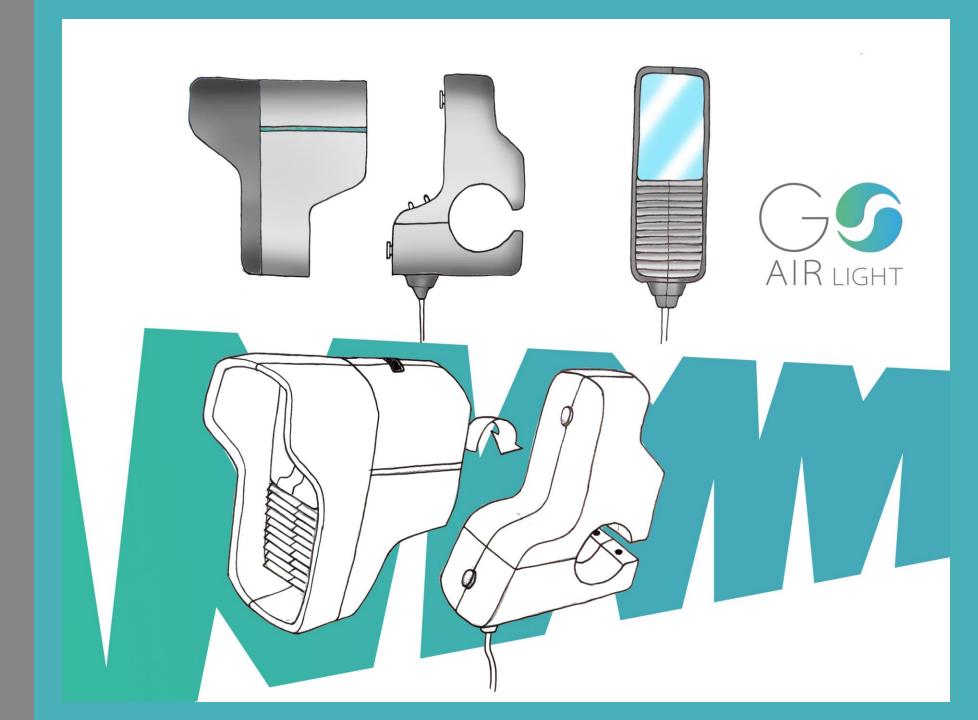


IMPROVES THE BIKE MARKET



# PROJECT DEVELOPMENT

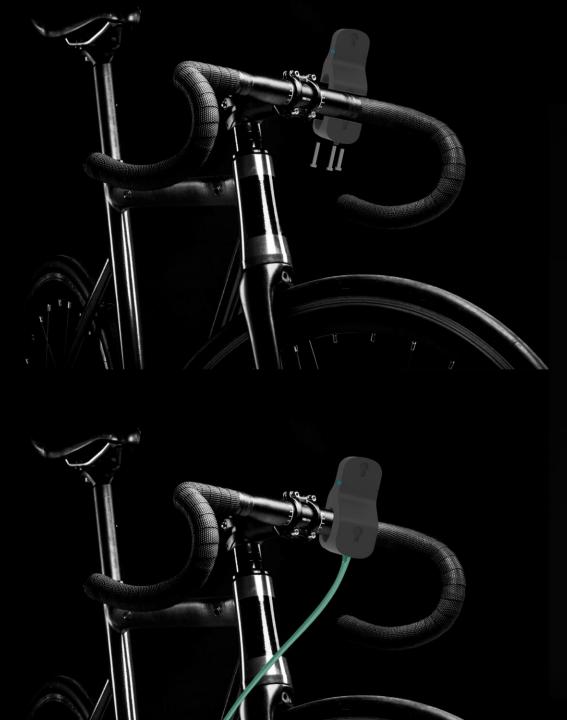
## 2D SKETCH



## **3D MODEL**

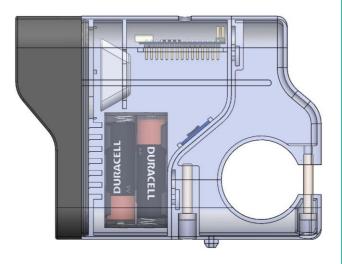






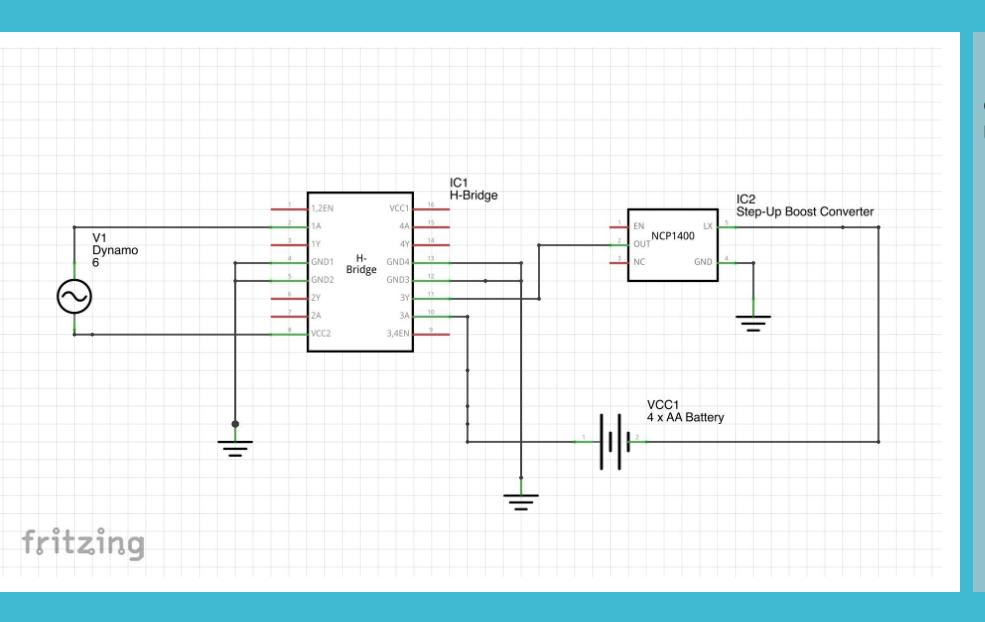
## MOUNTING SYSTEM





# EXPLODED VIEW





CHARGING OF BATTERY USING DYNAMO

**ELECTRICAL SCHEMATIC**