

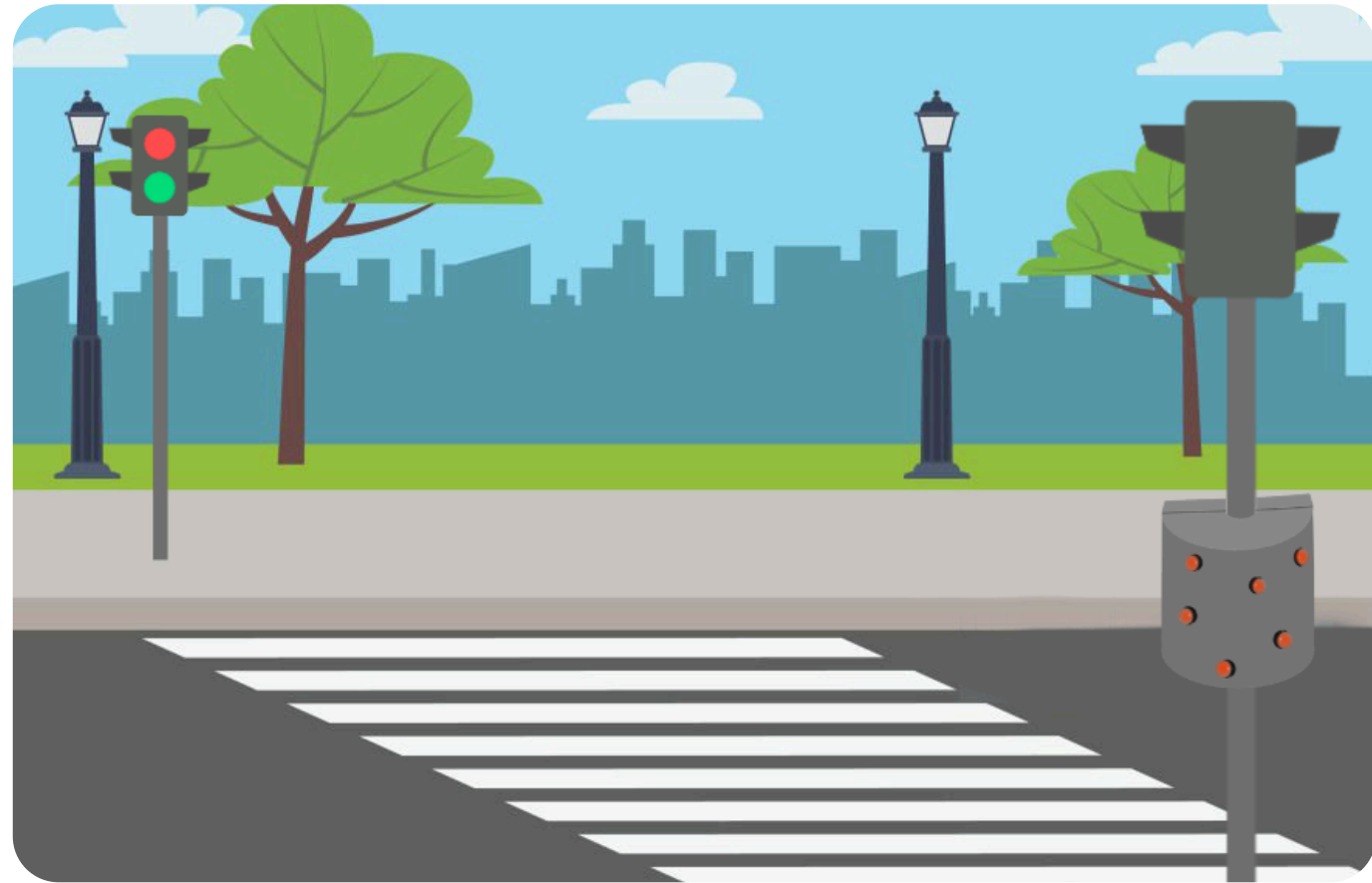
# SMASHY

STEMPE SAFETY



**Team 05**

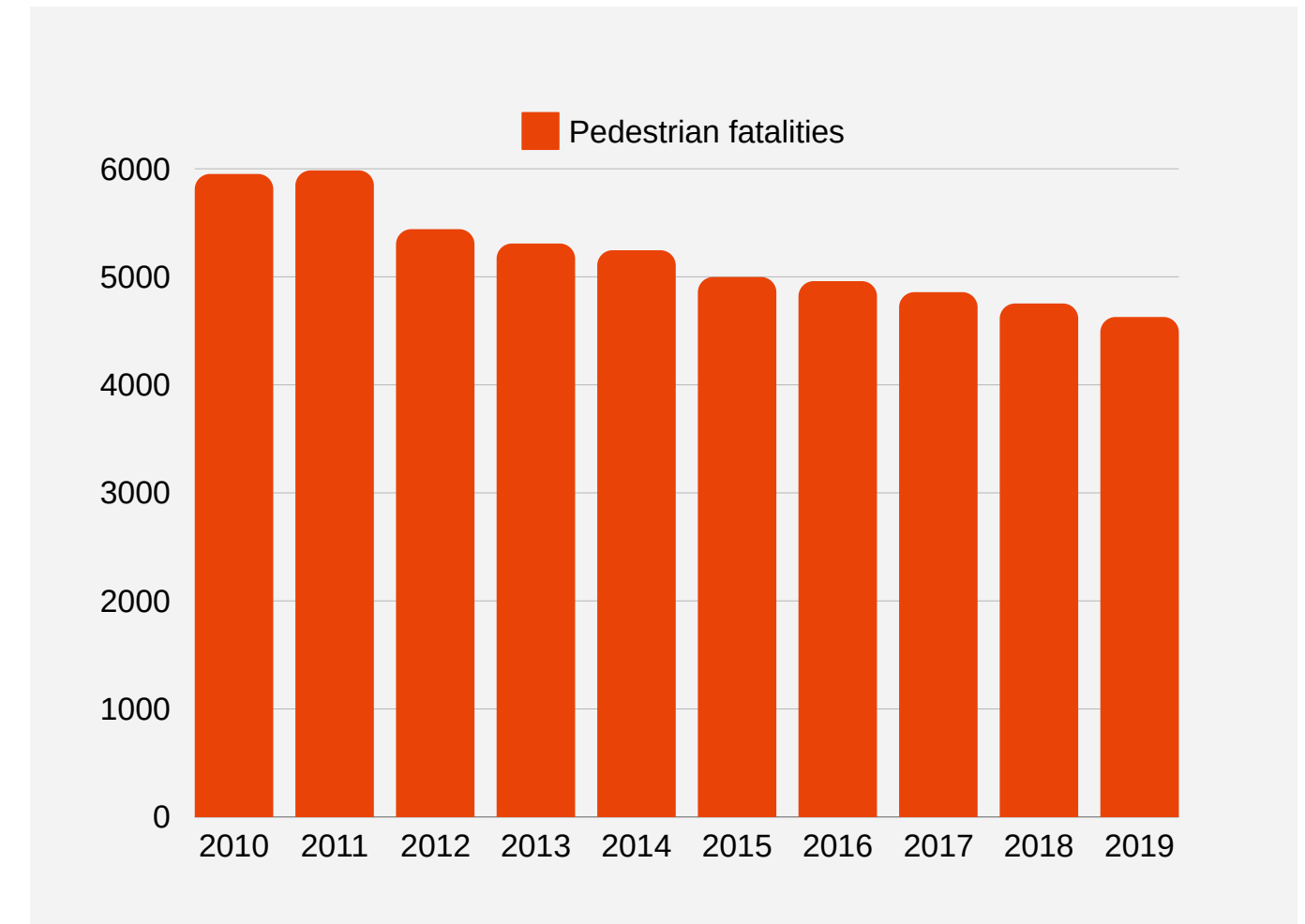
# /01 Introduction



# /02 Problem Statement



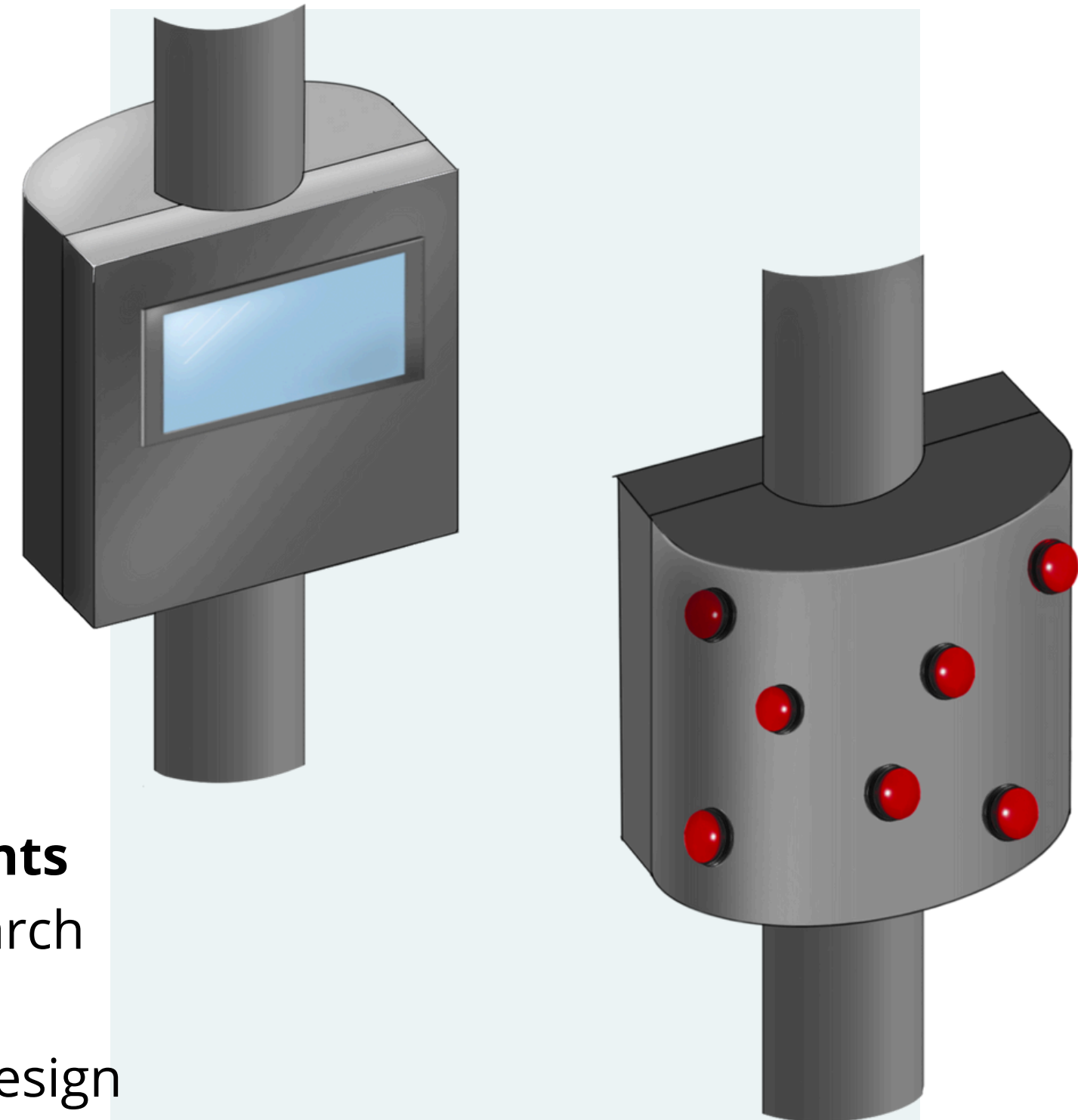
- **1 in 5** road fatalities in the EU are **pedestrians**.
- Pedestrians are the most vulnerable road users
- Endanger all road users
- Why?
  - Impatience
  - Boredom
  - Social pressure



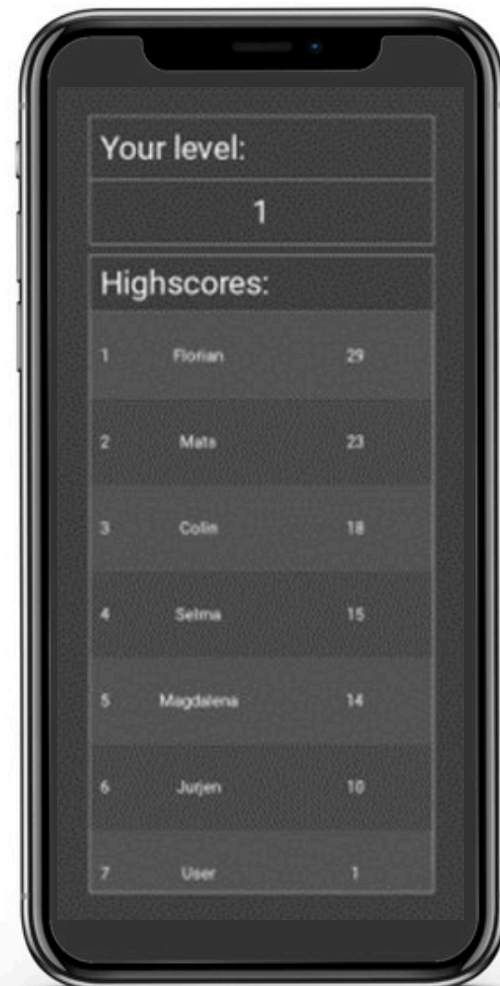
# /03 Solution



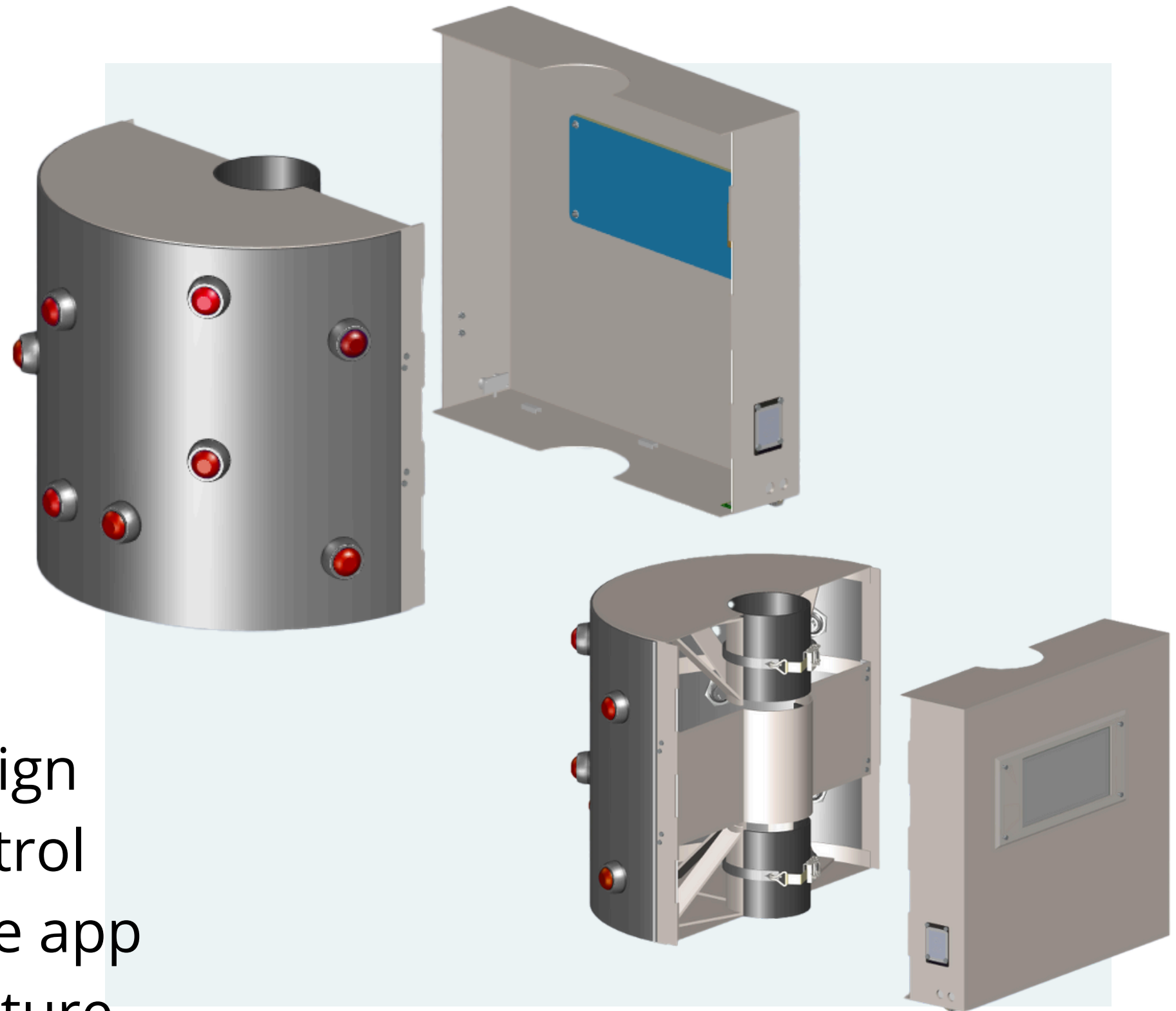
**Requirements**  
market research  
+sota  
concept and design  
marketing  
ethics and sustainability



# /04 Solution



design  
control  
mobile app  
structure

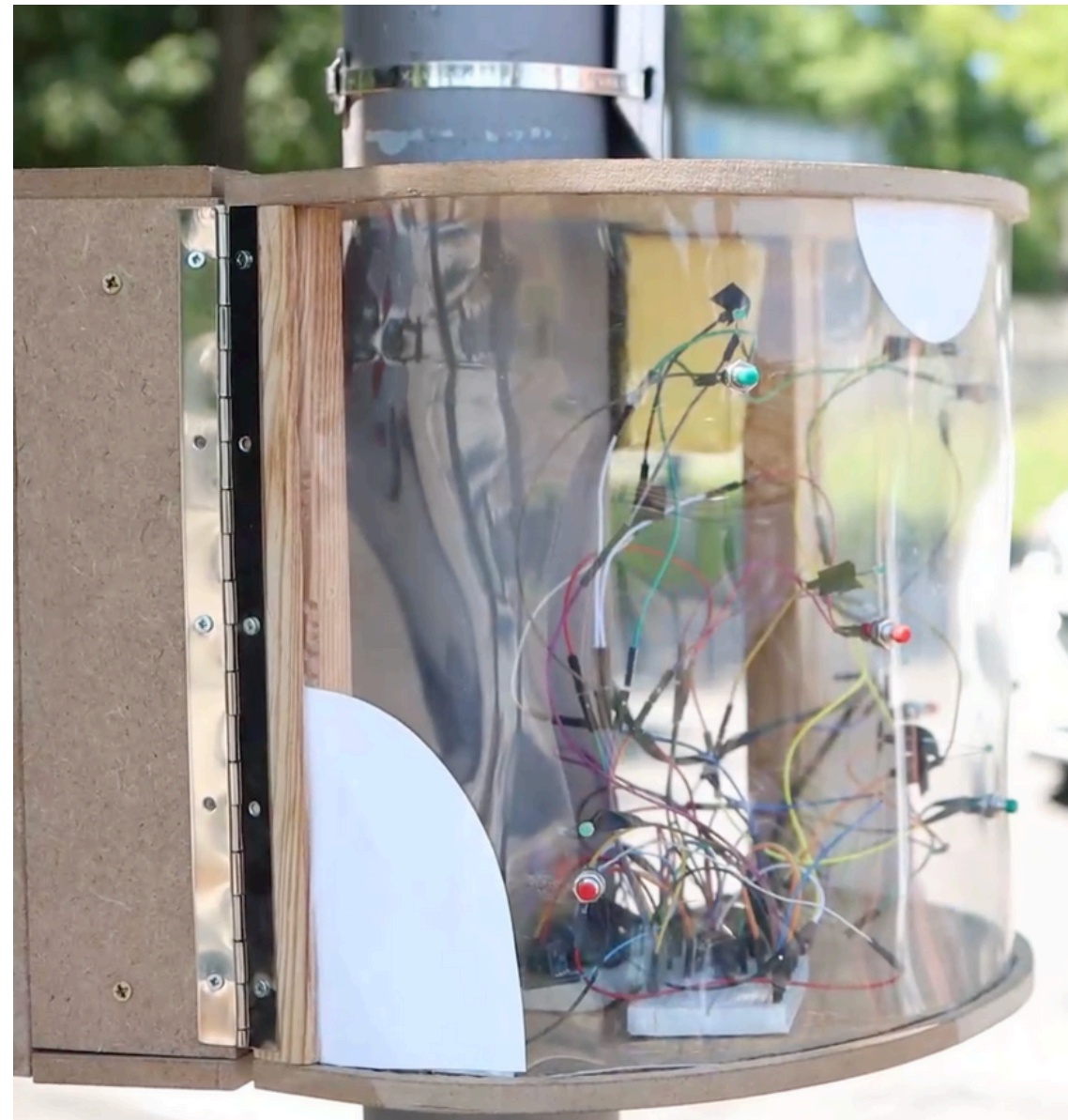




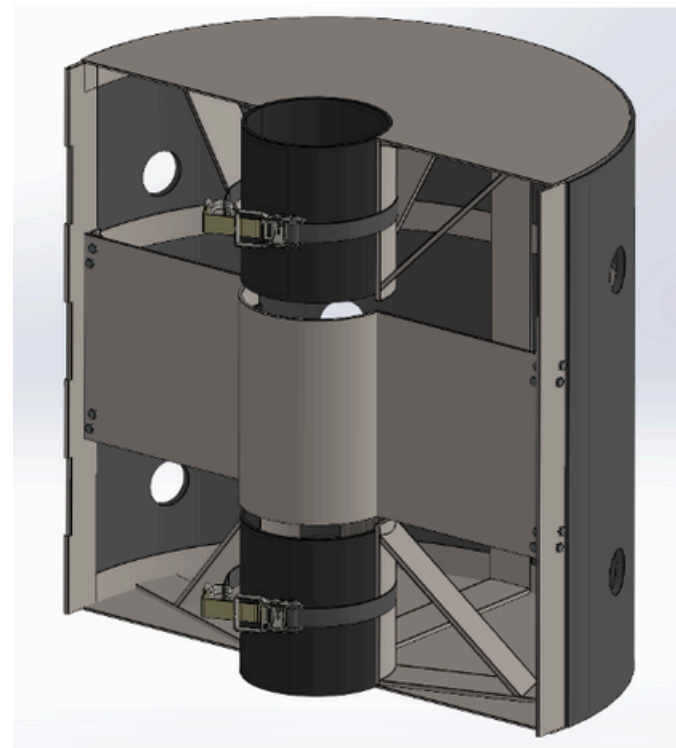
# /05 Prototype



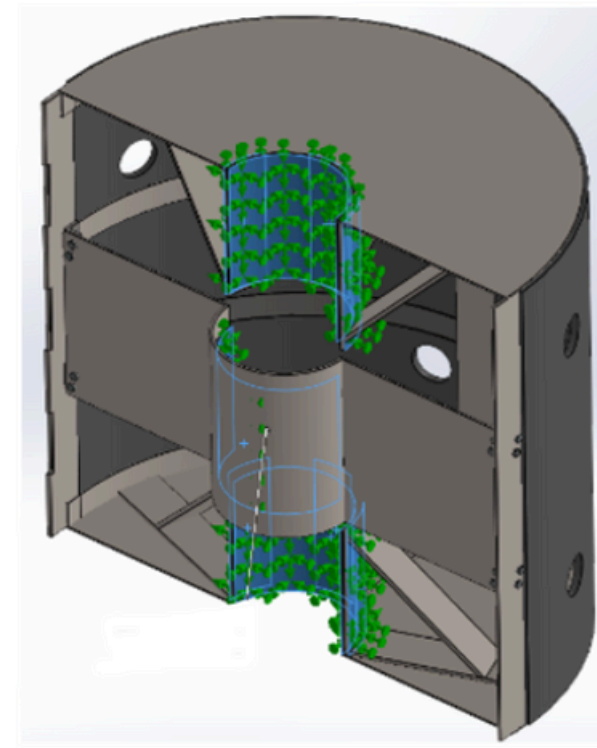
assembly



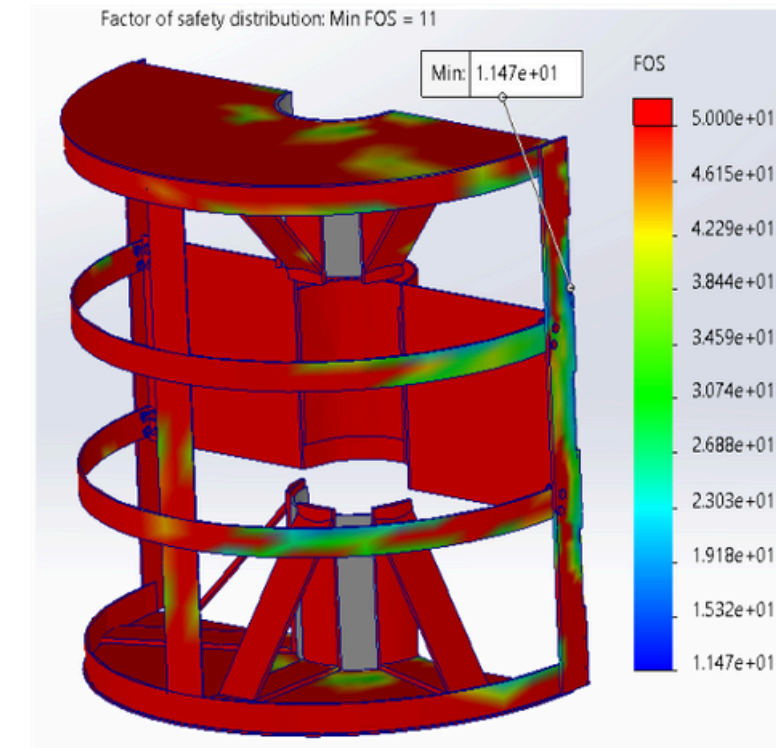
# /06 Tests & Results



(a) Structure

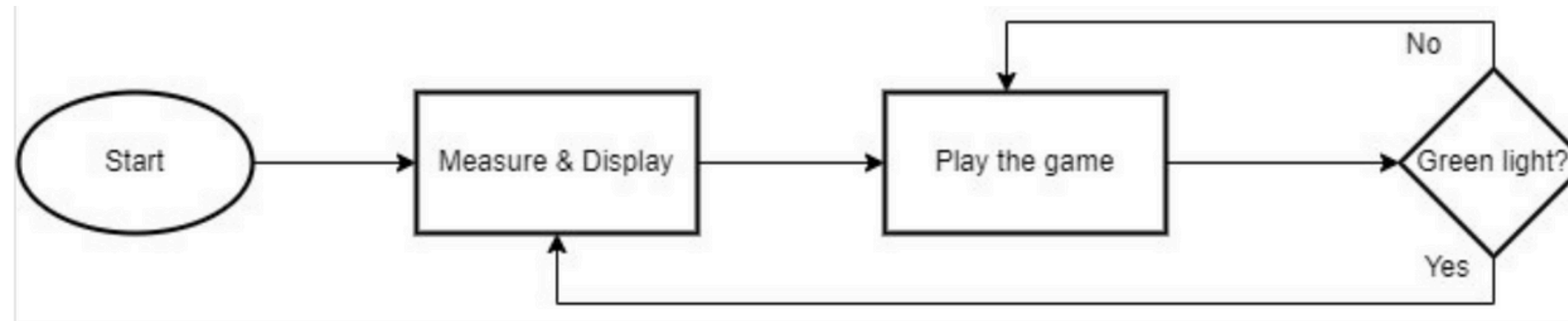


(b) Fixtures

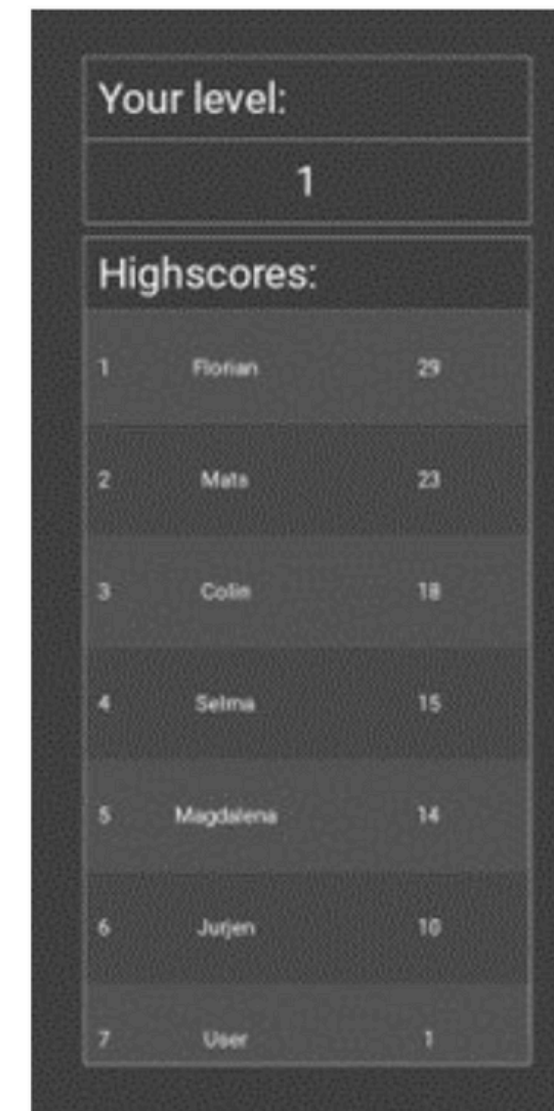
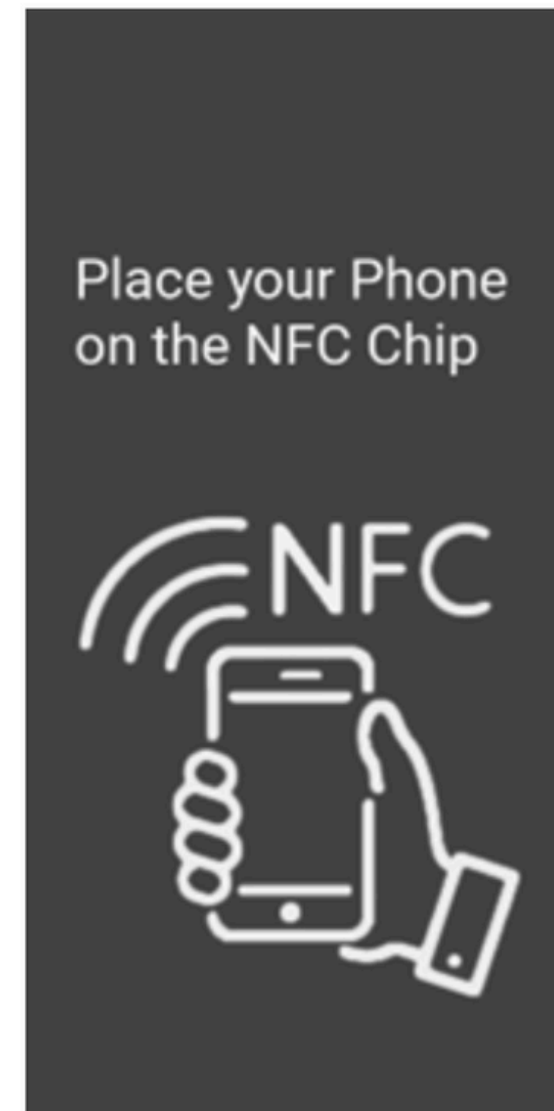
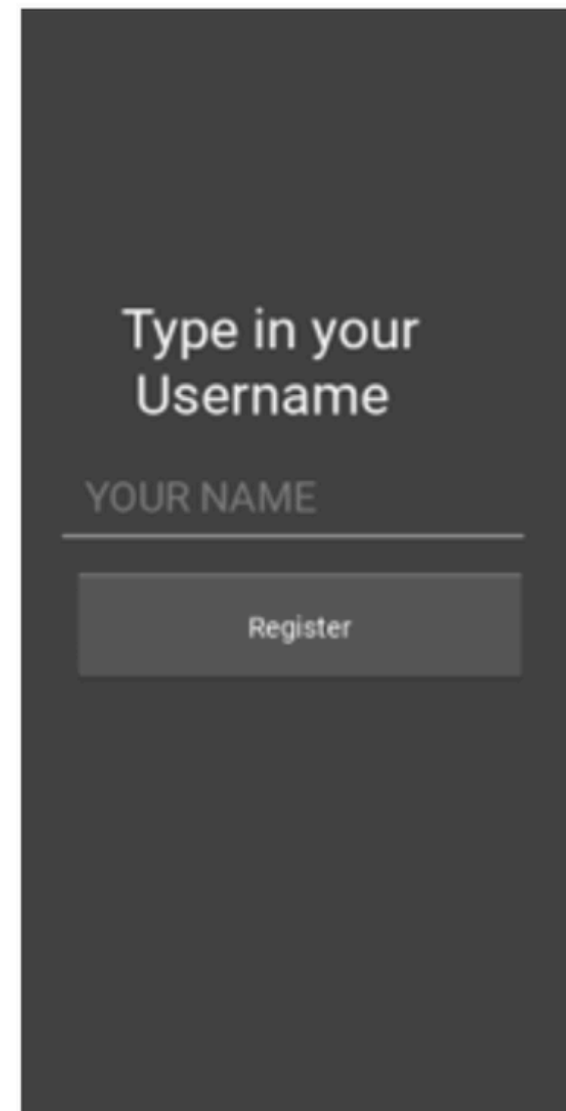


(c) Factor of Safety

# /07 Prototype



smart control  
app







**Achievements**

**Limitations**

**Future work**

# /09 Video





# Obrigado !