



# GREEN TOWN



# GROUP 2 :



INAN AHMET



ETIENNE ROMAIN

ATICI KELHASAN  
CANER

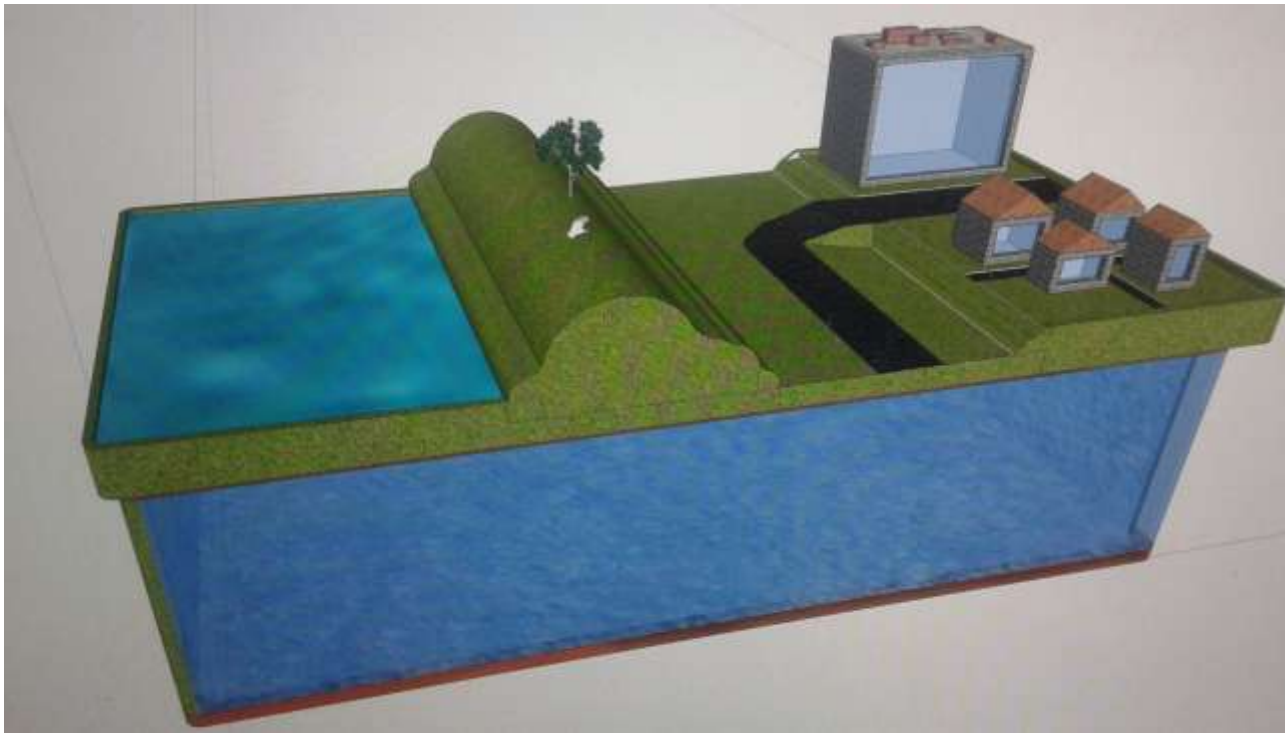
HAIDER ALI ZAEED

BEN EL ARBIA  
AMIRA

YAVUZ KADIR  
FURKAN

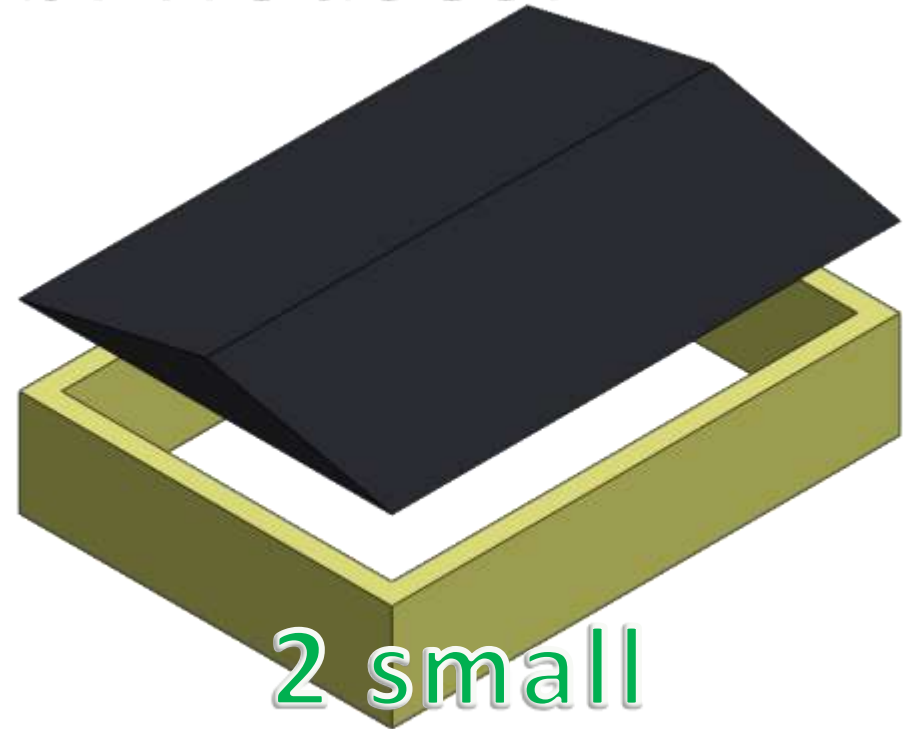
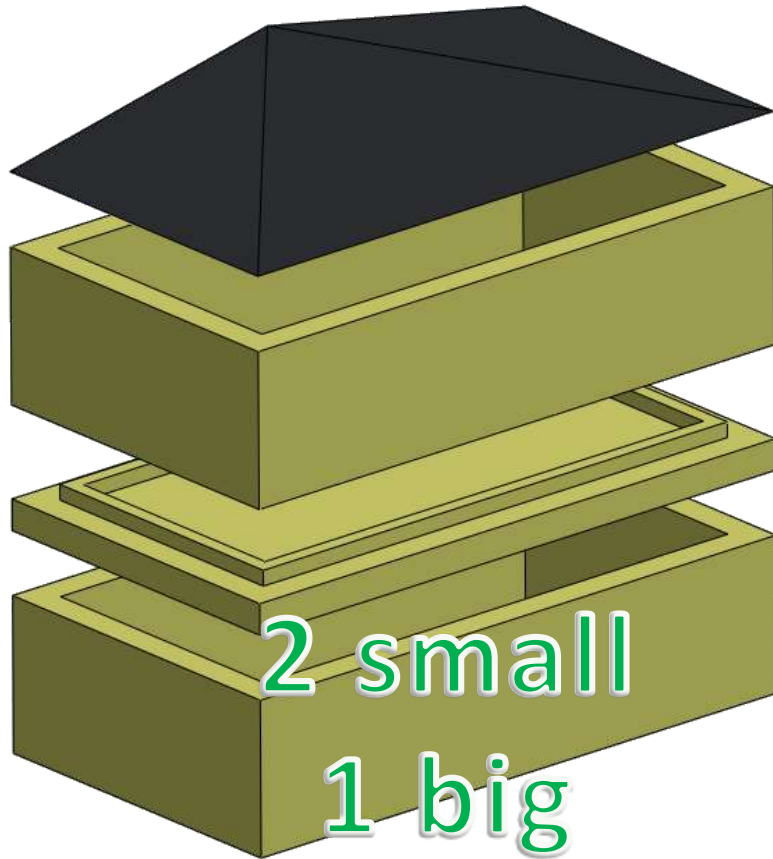
# OUR PROJECT

a. 3D model :



# OUR PROJECT

## b. Houses:



## c. Equipment :

| FRENCH       | DANISH   |
|--------------|----------|
| Wind turbine | Wood     |
| Solar panel  | Plastic  |
| Lamp & LED   | Paint    |
| Copper cable | Flamingo |

## d. Task :

| FRENCH                  | DANISH     |
|-------------------------|------------|
| Number of wind turbines | Dimensions |
| Solar panel & turbine   | 3D model   |

## d. Energy :

|              | Voltage (V) | Current (A) | Power (W) | Time (h) | Energy (Wh) |
|--------------|-------------|-------------|-----------|----------|-------------|
| Solar Panel  | 2,7         | 0,015       | 0,0405    | 0,5      | 0,02        |
| Wind turbine | 12          | ?           | ?         | 0,5      | ?           |
| Lamp         | 2,4         | 0,27        | 0,648     | 0,5      | 0,33        |
| LED          | 3           | 0,02        | 0,06      | 0,5      | 0,03        |

## e. Energy :


|             | W            | m <sup>2</sup>  | mm <sup>2</sup> | m <sup>2</sup> |
|-------------|--------------|-----------------|-----------------|----------------|
| Solar panel | 1000         | 1               | 1536            | 0,001536       |
|             | <b>1,536</b> | <b>0,001536</b> |                 |                |

|         | Power (W) |
|---------|-----------|
| 1 Lamp  | 0,648     |
| 2 Lamps | 1,296     |
| 1 LED   | 0,06      |
| 25 LEDs | 1,5       |





# f. Planning :

| <u>November</u>  | <u>December</u>  | <u>January</u>   |
|--|--|--|
| <p><b>FRENCH</b></p> <p>We reflect on conception, dimension and calculations of energy</p> | <p><b>DANISH</b></p> <p>We reflect on conception, dimension and calculations of energy</p> | <p><b>FRENCH</b></p> <p><b>DANISH</b></p>  |
| <p><b>FRENCH</b></p> <p>We receive</p>   | <p><b>DANISH</b></p>   | <p><b>FRENCH</b></p> <p><b>DANISH</b></p>  |
| <u>February</u>  | <u>March</u>   |  |
| <p><b>FRENCH</b></p>   | <p><b>DANISH</b></p>   | <p><b>FRENCH</b></p> <p><b>DANISH</b></p>  |