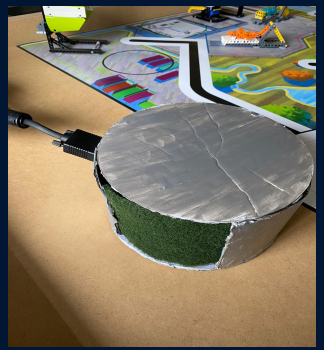
BLUE

DEAL



Made by Álvaro Torrella, Ainhoa Valdovinos, Ángela Calvet and Miguel Pascual: REVOLUTIONARY TIDES.

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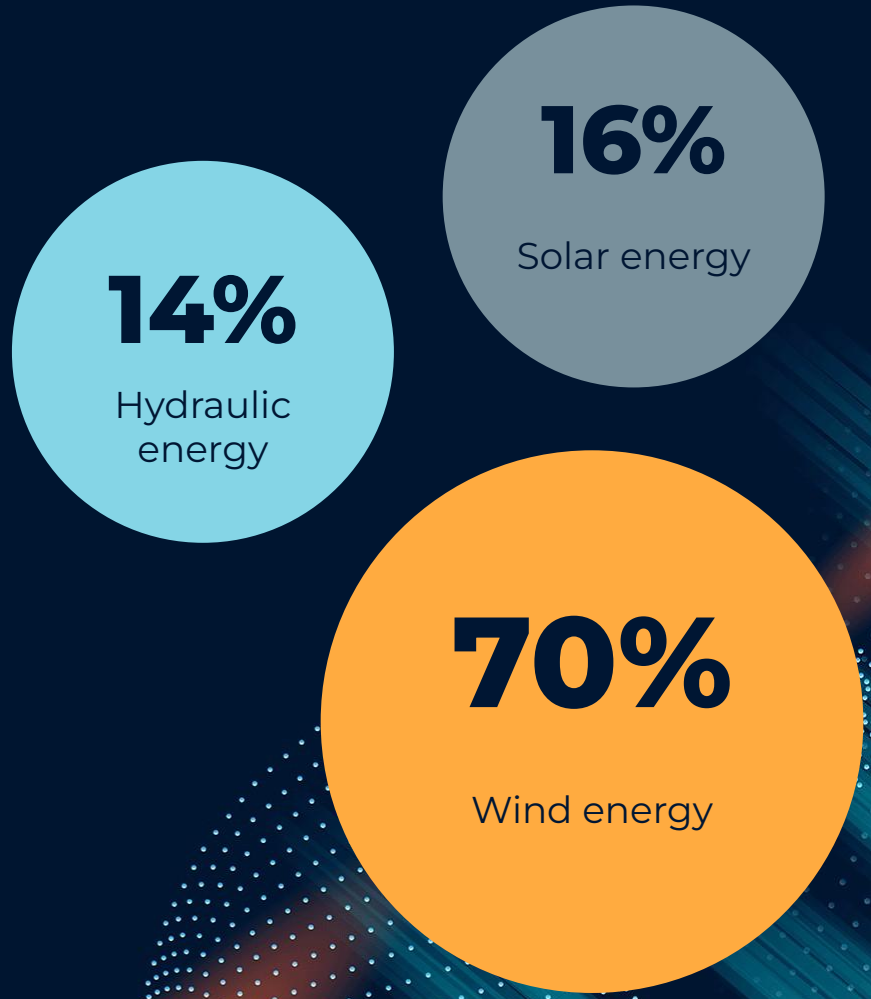
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01 BLUE ENERGY DATA AND THE PROBLEM

Currently, at European level, we are the fifth country in hydroelectric energy generation, however, only 14% of our country's renewable energies come from hydroelectric energy. This is because we do not generate production methods for this type of energy, or because we do not have enough money, or because we do not have the necessary material. Therefore, we have to think of a solution, since 70% of the Earth is made up of water, and having so much, we have to know how to take advantage of it.



02 SOLUTION TO THE PROBLEM

To put a solution to this problem, we have created a model to show you our solution. This one consists of an apparatus of round form, similar to a Roomba. This one has two holes, through which the water enters and exits. In addition, it has a snail mechanism inside, which obtains the hydraulic energy through the force and intensity of the water, then transports it through a set of cables to a hydraulic energy center. In this way, we will transport 12 kW per hour for one day.





03 OBJECTIVE OF THE FINAL SOLUTION

The objective of these apparatuses that we have created is to place them at the mouths of rivers into the sea, because we believe that we can obtain a lot of hydraulic energy. In addition, our idea is that they should be small, so that we can place several of them in the same place. In addition, we have placed two scouring pads in the holes, so that no stone or animal will pass through.



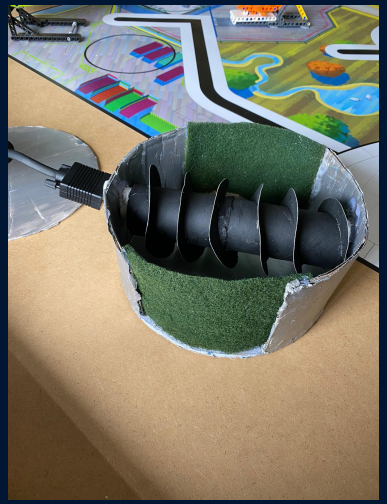


04 MODEL MATERIALS (AND THEIR PRICE) AND MODEL STRUCTURE OF THE FINAL SOLUTION

Now, this model is made with:

1- Featherboard (free, because Angela had it at home).
2- Newspapers (free, because Miguel had them at home).
3- Gray paint and brushes (free, because Ainhoa had it all at home).
4- Cardboard roll of kitchen paper (free, because Álvaro had it at home).
5- Roll of wire (free, because there was in the technology class).
6- 2 scouring pads (free, because they were in the technology class).
7- A cable, to simulate the transport of energy (free, it was in technology class).

As you can see, we have made the model with materials that we had at home and that we have reused to make this project.



THANKS FOR YOUR ATTENTION!

