

L'association

Since September changes have occurred in the association, members have left, and others have arrived. The new team has 11 people now working on the project, including engineering degree first year students.

The team has been divided into two groups. The first group will improve the existing turbine and its design and the second group will search for fresh ideas for a new design. The challenge for the teams is to design and build a prototype that best meets the requirements of accessibility, efficiency and robustness

Construction & Installation

We achieved our goal of building and testing a new prototype.

In light of our prior experiences, learning from the mistakes we made during the construction of the first two prototypes, we improved the construction method. We used more specific tools because their precision is required at this stage of development. We had a rotation and a torque, but no electricity. Now we use a car alternator, with a mechanical transmission based on an old bike and a belt to produce electricity.

After one month of construction we completed the installation of our first turbine at the end of October. First test were successful! With the production of 120 watts, we obtained a fully functioning turbine. However, technical damages forced us to show the prototype on December 12th.



The team working on this prototype



The functioning turbine

What next?

The inauguration of the last prototype will happen on December 12th.

The two teams will continue to improve the turbine, specifically focusing on hydraulic loss and mechanical transmission.