

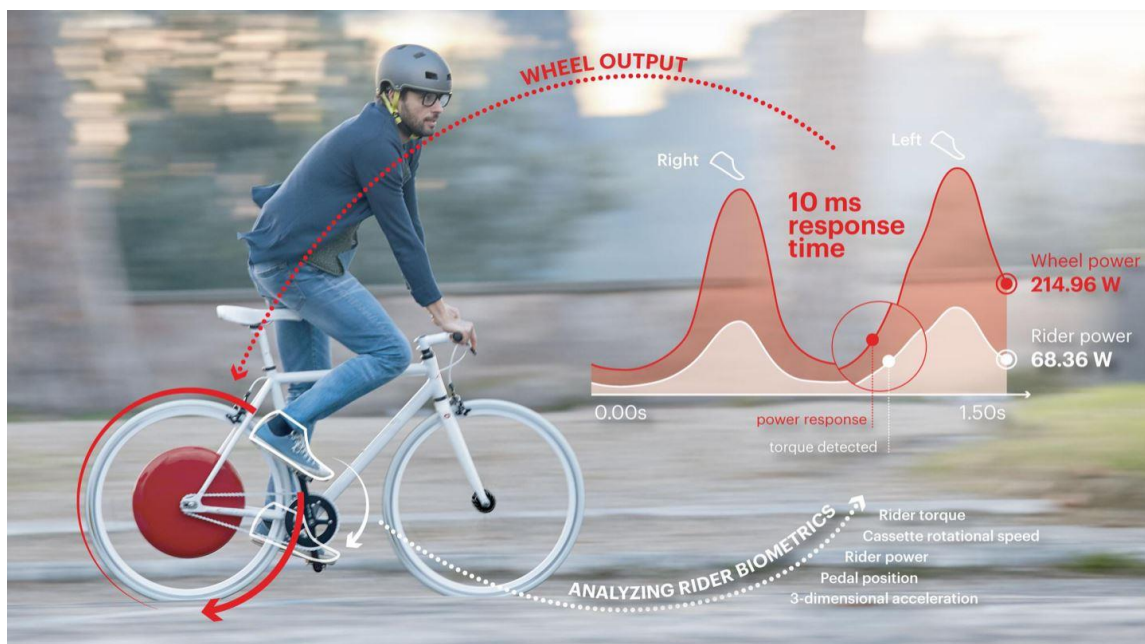
*Section
européenne*



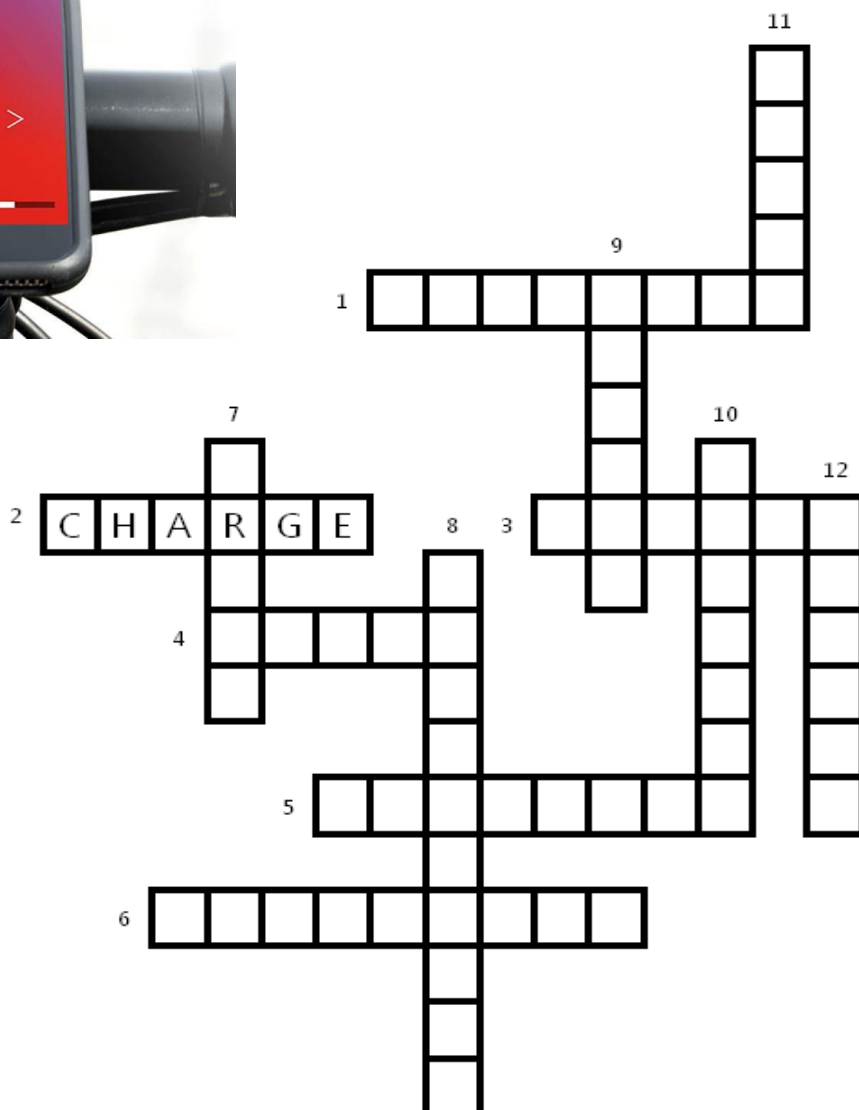
Exemples d'activités

Seconde Générale et Technologique

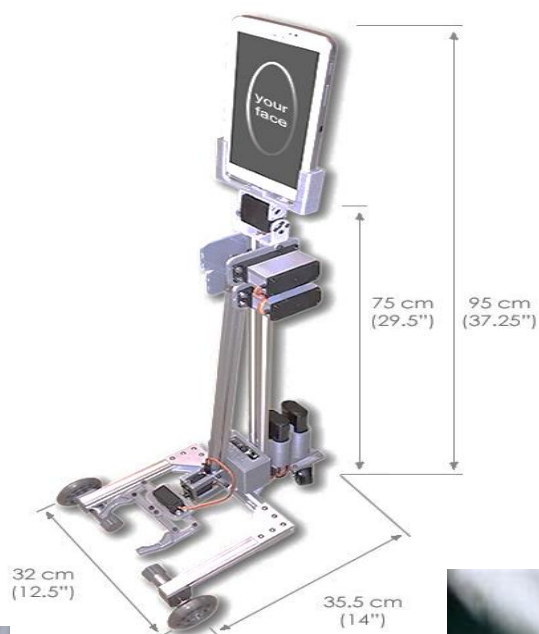
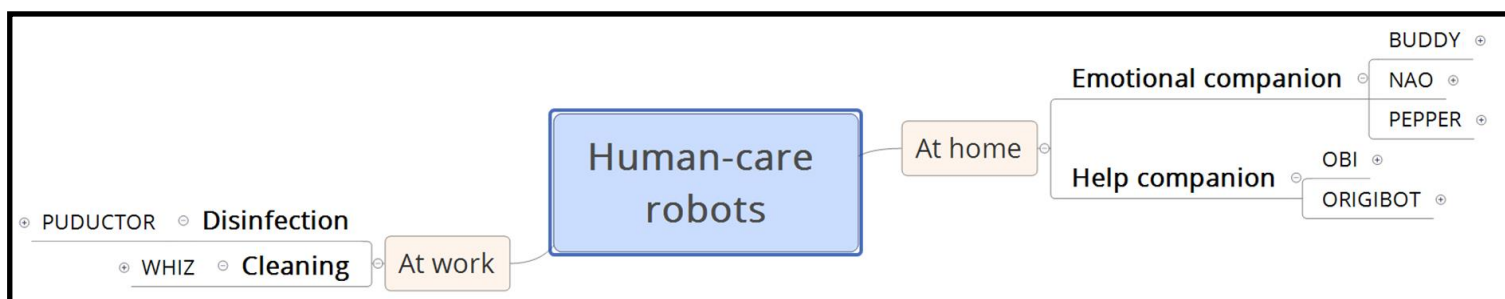
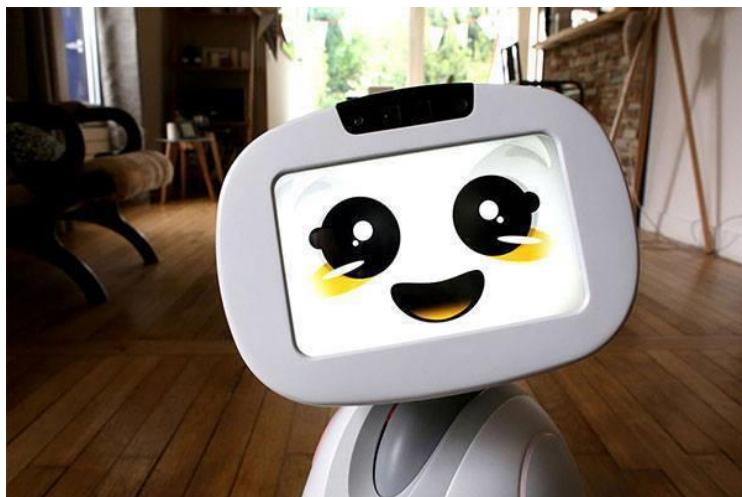
Jeux d'équipes sur un thème technologique



Motor
Front wheel
Rear wheel
Battery
Pedals
Saddle
Frame
Handbars
Brakes
Tyres



Recherche et créativité sur l'aide à la personne



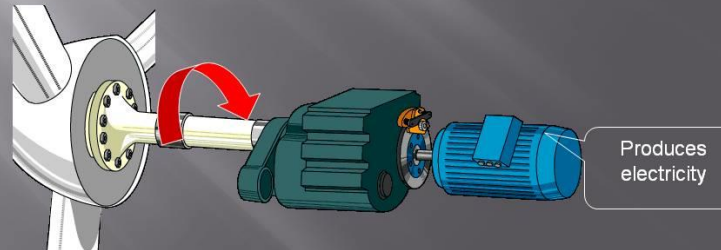
Exposés d'élèves sur « les énergies vertes »



Energy conversion

2) When the blades rotate, it causes the rotation of the rotor.

This rotation creates mechanical energy that is transmitted to the shaft of the generator to produce usable electricity.

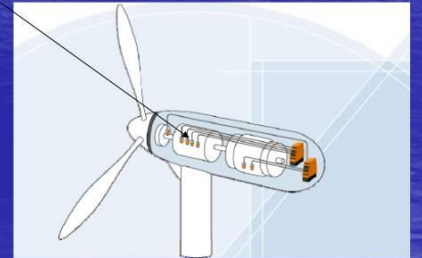


Vibrations

The vibrations can break mechanical parts

So we use sensors to detect different vibrations. The vibrations are in the main shaft and in other parts.

These sensors measure the movement of the vibrations and their period.



Where is the anemometer ?



The anemometer is located on the pod, next to the light (red or white).

How operates the vane ?



The wind pushes a metallic piece who puts the vane in the good direction. So the vane gives data to the motor who puts the wind turbine in front of the wind, in order to take advantage from more wind.

Projet de groupe sur un éco-village

How to make this village become energy self-sufficient ?

