

Entry 4 - Part One – Junior



What is the problem you are addressing?

I have chosen to focus on the gym because they are constantly using electricity to power various equipment and devices. This includes treadmills, lights, cash registers, coolers, phones, heaters, and TVs. The main problem I'm trying to solve is the amount of non-sustainable energy used at the gym. Currently, the treadmills, bikes, phones, heaters, coolers, cash registers, and TVs do not use sustainable electricity.

What is your idea?

My idea is to have the people exercising on the treadmills and bikes generate power for the gym's electricity needs. This energy could be used to run phones, cash registers, coolers, heaters, and TVs. The more people working out, the more energy would be produced. Additionally, I want to encourage people to get fit and healthy. By reducing the electricity costs, gym membership fees could be lowered, allowing more people to work out without facing expensive costs.

How does it work?

When people use the gym equipment, such as treadmills and bikes, their physical effort will be converted into electrical energy. This energy will be stored in a generator. The stored power will then be used to run the gym's lights, TVs, and other electronic devices. As more people exercise, more energy will be produced and stored, creating a sustainable cycle of power generation and usage within the gym.