

PowerTank

Abstract

Power Tank is a project on the basis of fast water flowing from pipe and throughout with speed from pipe to water tank on the roof of a building. Every residential or non-residential building has its own water management system and has fast flowing speed of water when pulling water from ground there also have more speed to the pipe line. We can use this speed and produce electricity.

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Introduction

Demands of power in world increasing day by day without employing fuel or costly system to produce electricity even little bit is more important for present earth. PowerTank is a system of like that.

1.Future Impact:

Implementation and application of PowerTank will be introduced with a new era on earth. If every building will made with PowerTank it will be added more value on the economical situation also for its better feasibility it can be more popular within a short time.

2. Creativity

PowerTank is a safe and additional solution on earth. If we customize the design of water tank of any apartment building by increasing the height of exhausting pipe, Increasing speed of flowing water. The speed of rotate the turbine setting of the water tank. From the rotation of turbine produce electricity from the connection DC motor. Then the electric charge will be stored in a battery for further uses. PoweTank can be implemented as device and use in various place like pipeline, water flow related all the sector only initial cost requires for customize the design of water tank.

3. Complexity

- This project is fully depends on the flow of water, So if there is a problem in water flow the entire project will stopped for some times.
- This project will make a small electricity so that will not be able cover any high voltage electric work thought the summation is very effective.

4. Collaboration

- Totally cost free without only initial cost.
- Produce no harmful gas.
- No chemical reaction occurs
- This additional power solution will support a lot.

4.1 Calculation

Such that there is an apartment building with 10 flats at least 65 people (with grad, drivers), $65 \times 225 = 14625$ liters a day or a total of 14625 cubic meters of water will be taken over.

A 5 watt bulb play with a 12 v motor that need to rotate 5 liter water flow up to 1.5 minute.

From the above calculation approximately 500 watt power will be produce from a 10 flats building.

The summation of the amount of electricity is really a lot. Implementation of this project can bring a new era like solar power implementation.

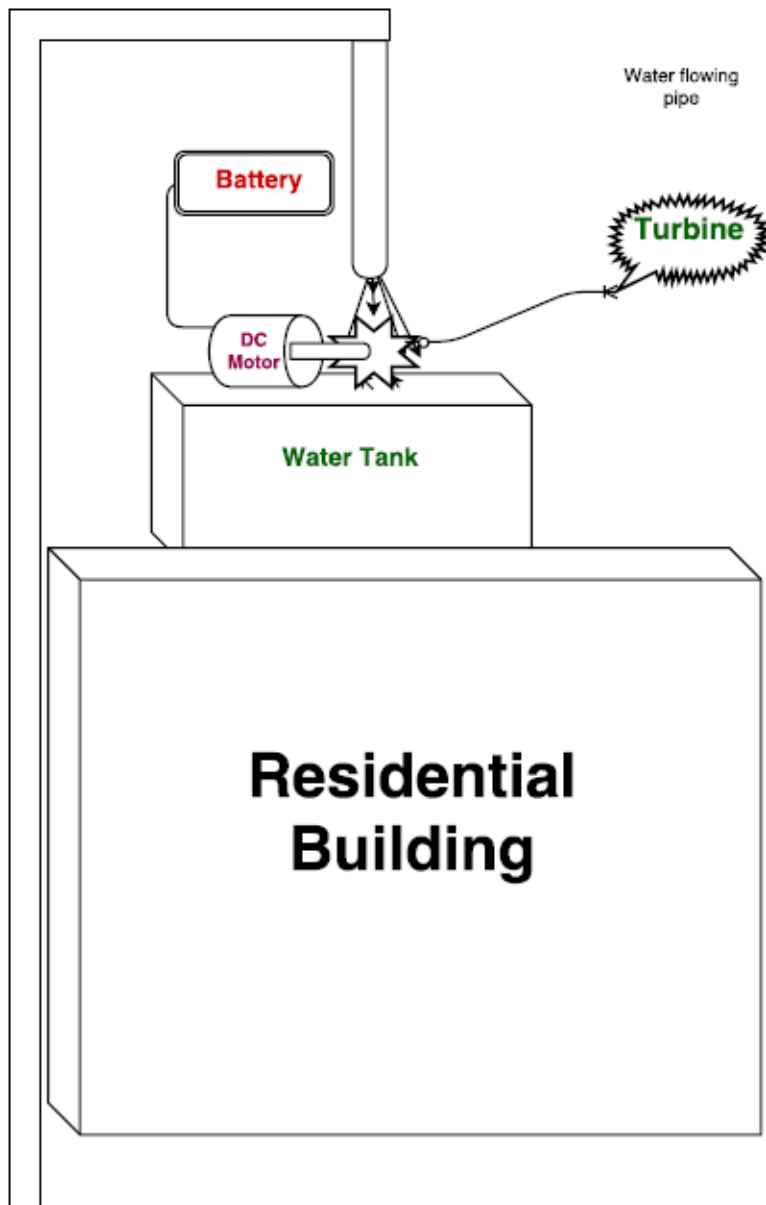
5. Product

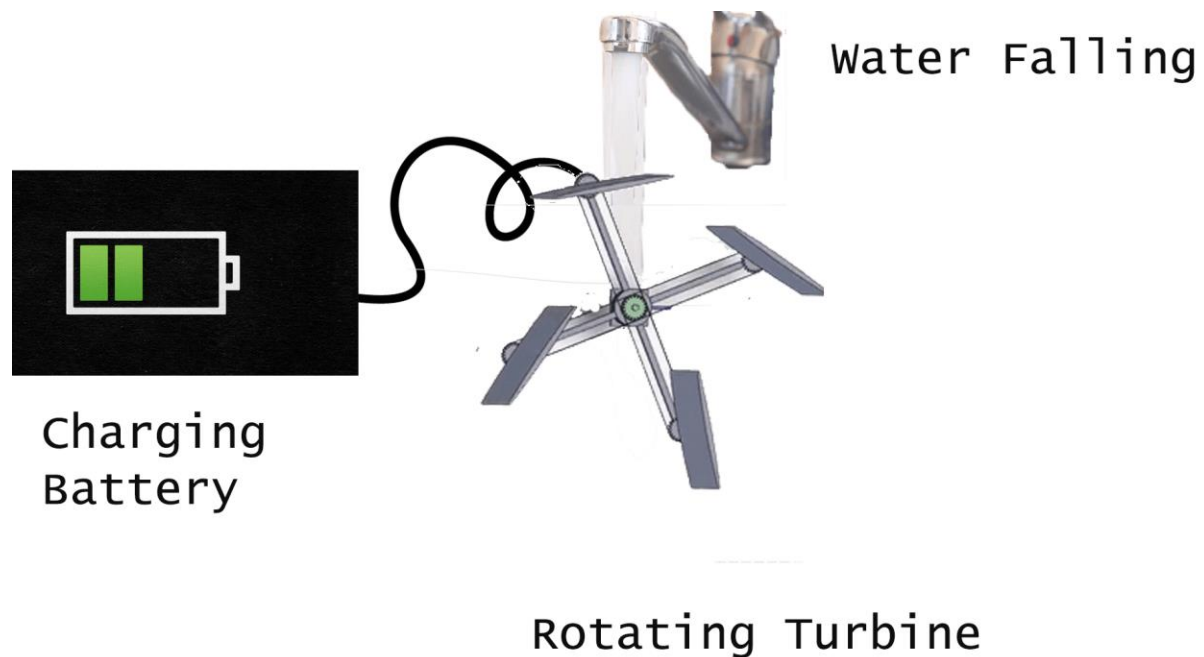
- This project can be integrated to the every apartment by replacing water tank by PowerTank.
- All the pope line can also integrated this system and produce electricity.
- Since, its working space is vast a largest amount of electricity with the little art will be produce.
- The PowerTank project will be much beneficial because it is a low cost project.
- This project can be used in every city or everywhere in a building. So, in business sectors it can be make a great impact.

6. Sustainability

The world is becoming development. The city dewaller is increasing day by day. Implementation of this project would be added a huge amount of power to national grid. This additional is electricity also make sure the **best use of Hardware**.

7. Presentation & Aesthetics





9.Conclusion:

Hopefully appropriateness of PowerTank to integration will be popular all over the world. Though the system needs some customization of water tank, it will be benefited for next day. Wishes this project granted by all the people of the world.