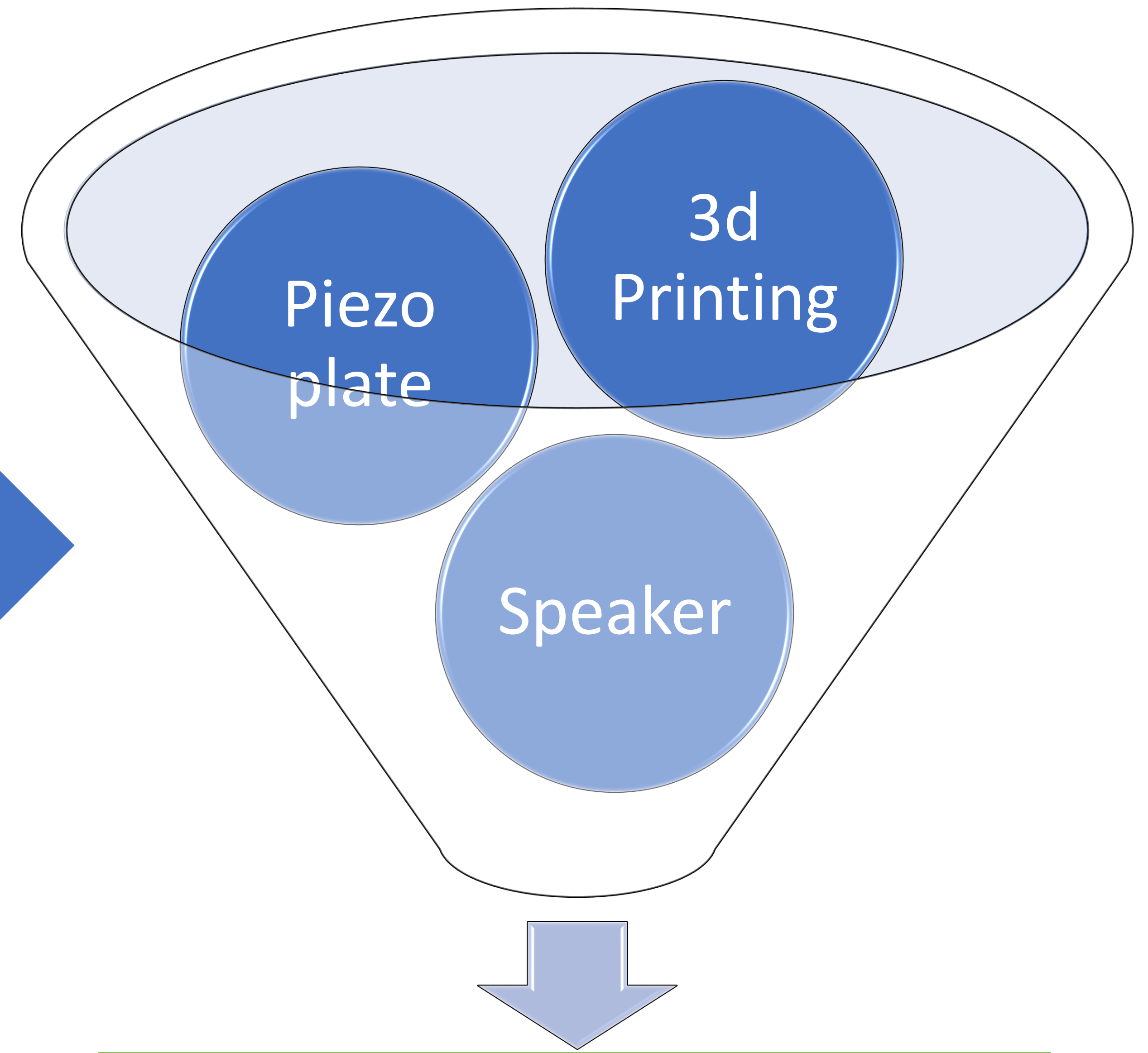
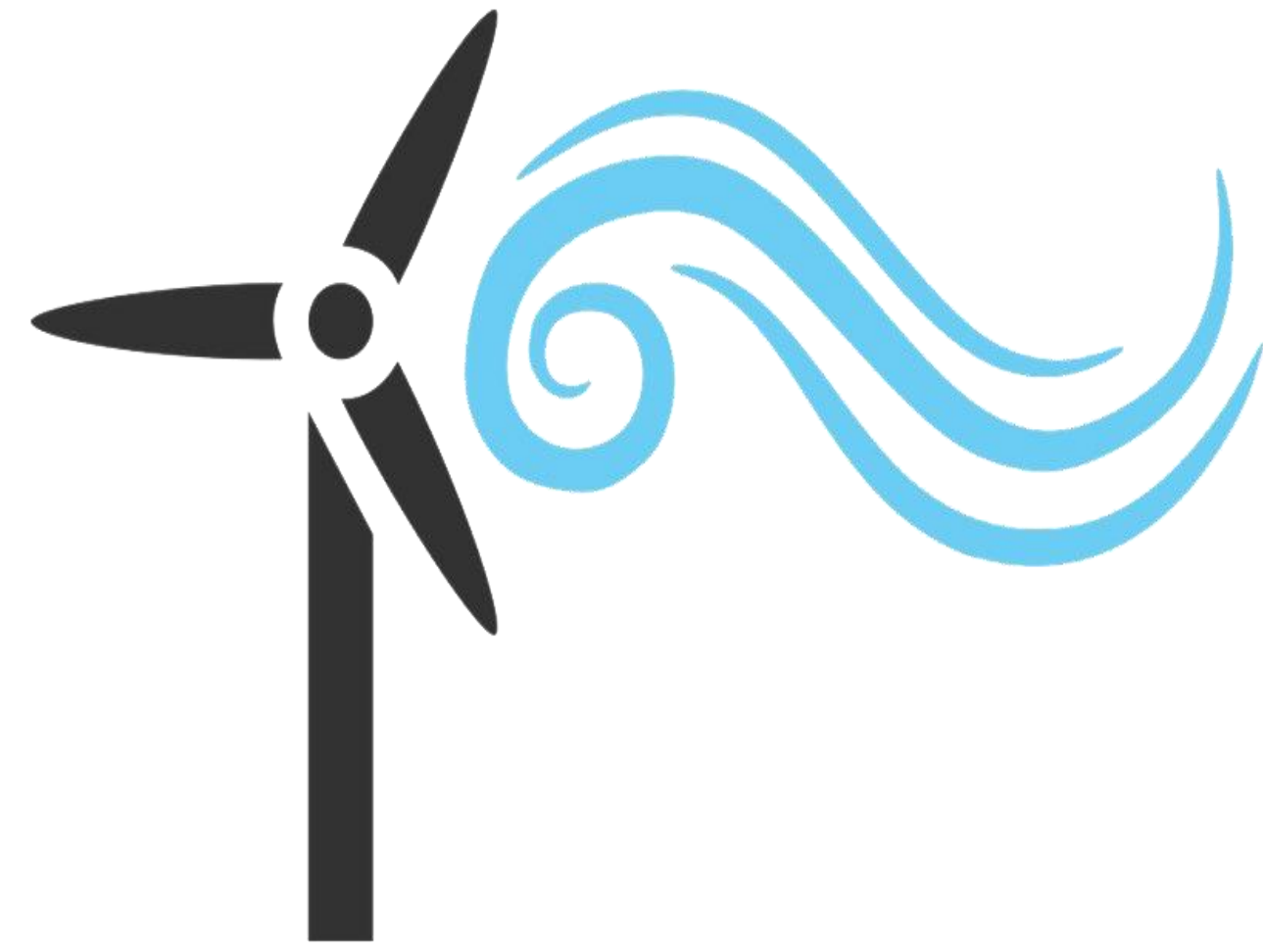
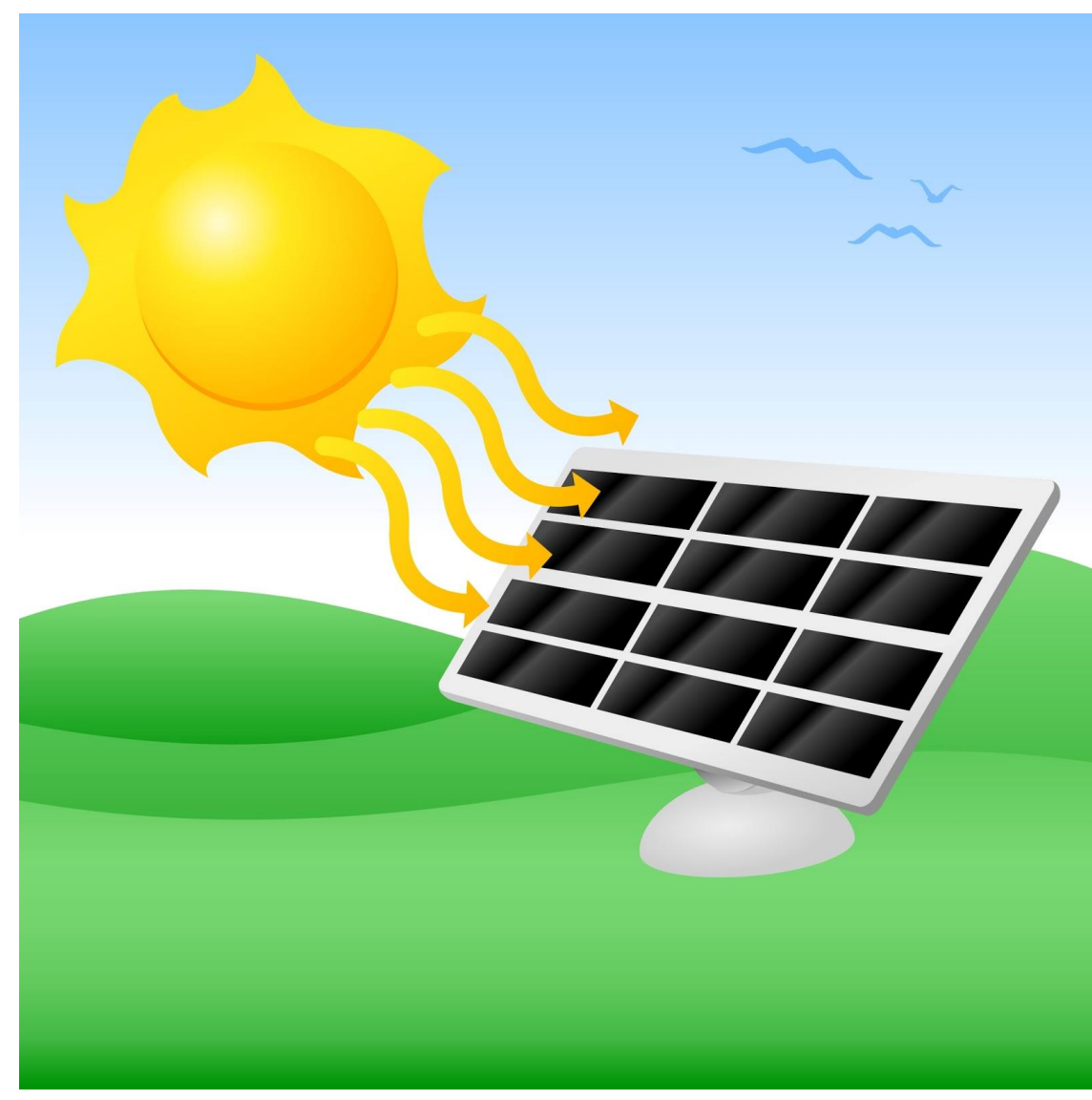


# ACOUSTIC ENERGY HARVESTER

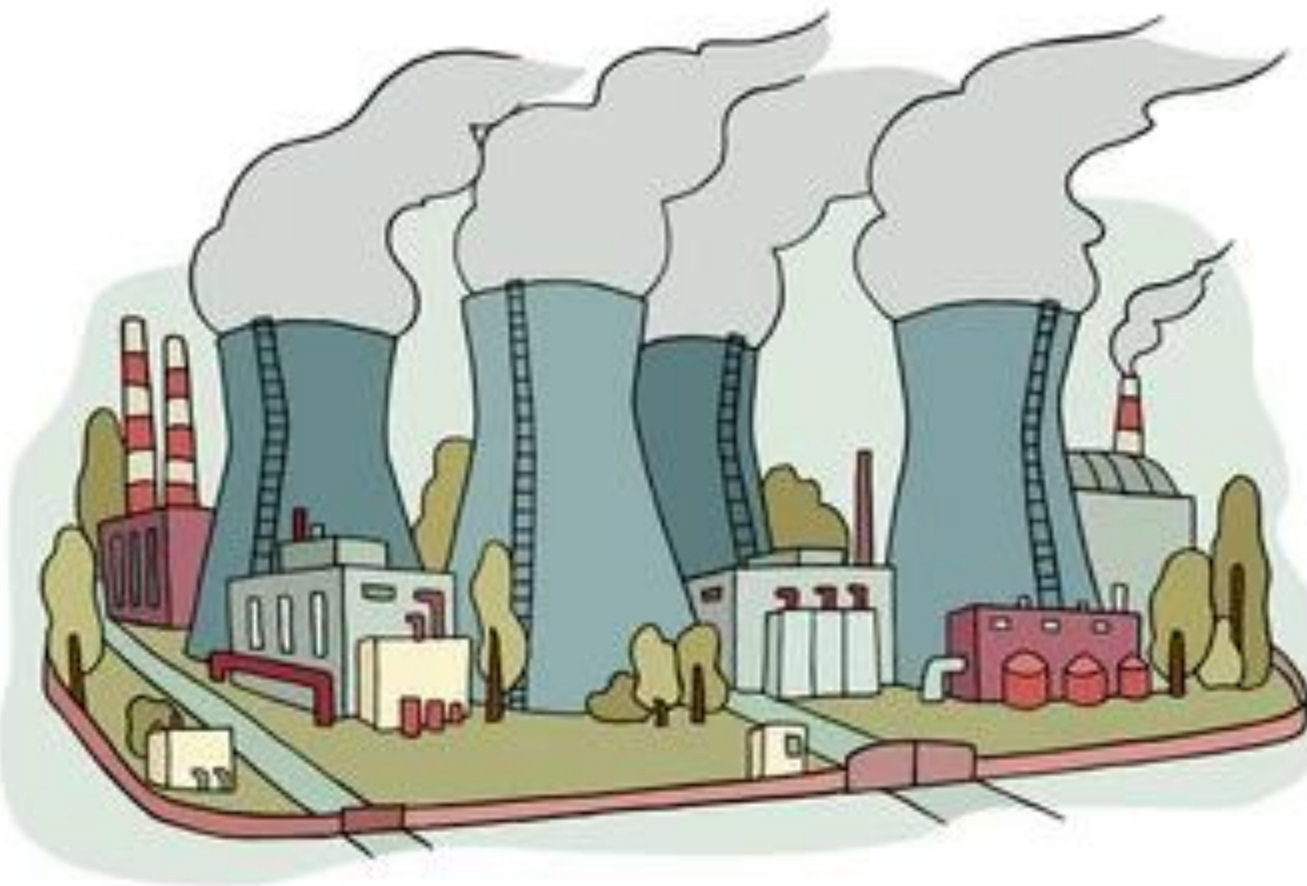


Solar energy

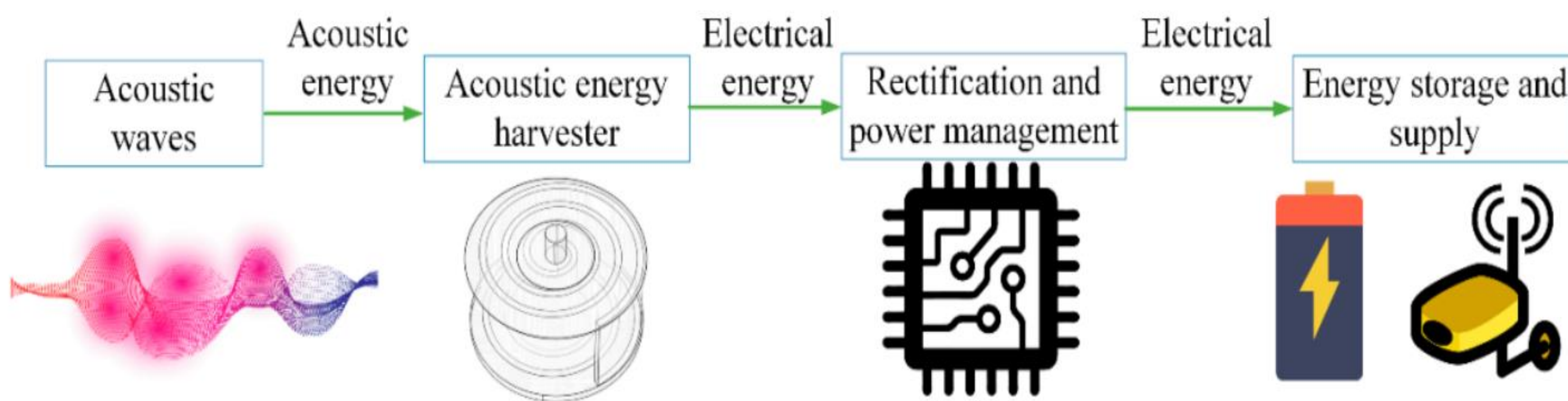
Thermal power plants

Wind

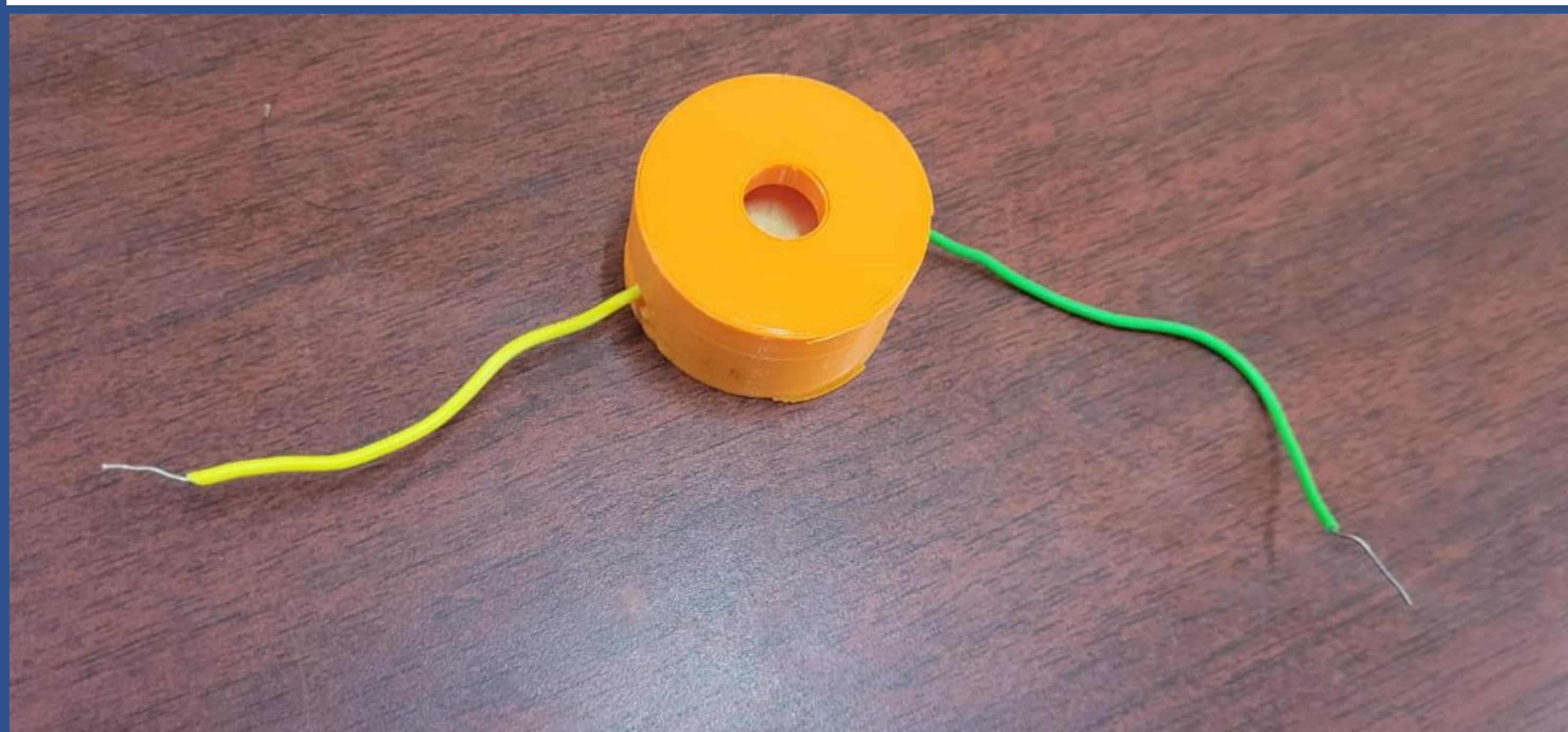
Acoustic energy



Acoustic Energy Harvesting

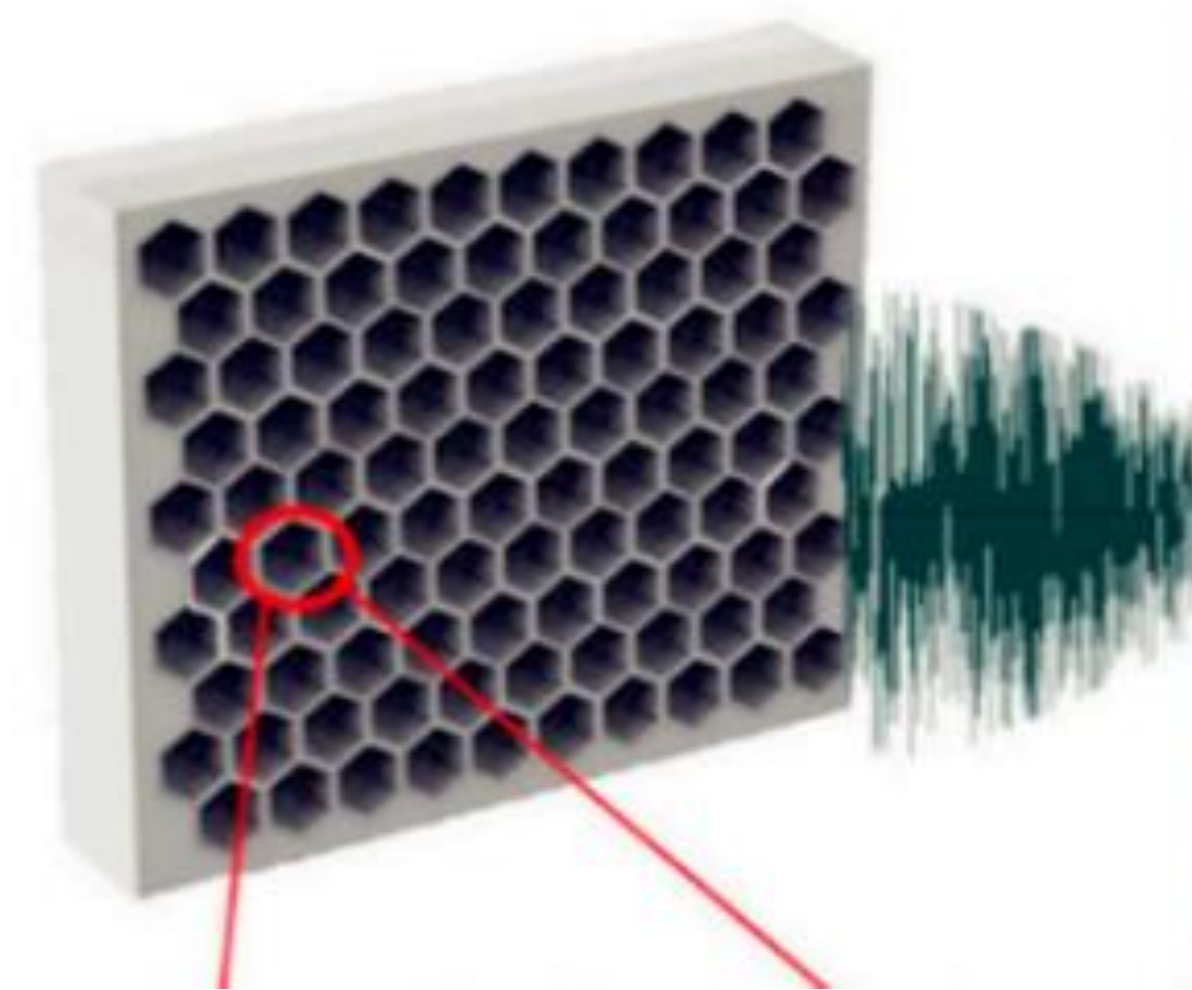


$$f_r = \frac{c_0}{2\pi} \sqrt{\frac{S}{V(L + 1.7r)}}$$



Yellow = Negative  
Green = Positive

A novel noise barrier



High-speed railways (HSR)



## Bullet points :

- Using unwanted sound(noise)
- Simple Circuitry
- Low cost
- Energy Can be stored or used

- Chekkala Sandeep Reddy



- Lighting a LED
- Trying to light with train noise
- Trying to light with roadside noise
- Making it usable