



Sou. Sushila Danchand Ghodawat Charitable Trust's
Sanjay Ghodawat Polytechnic, Atigre

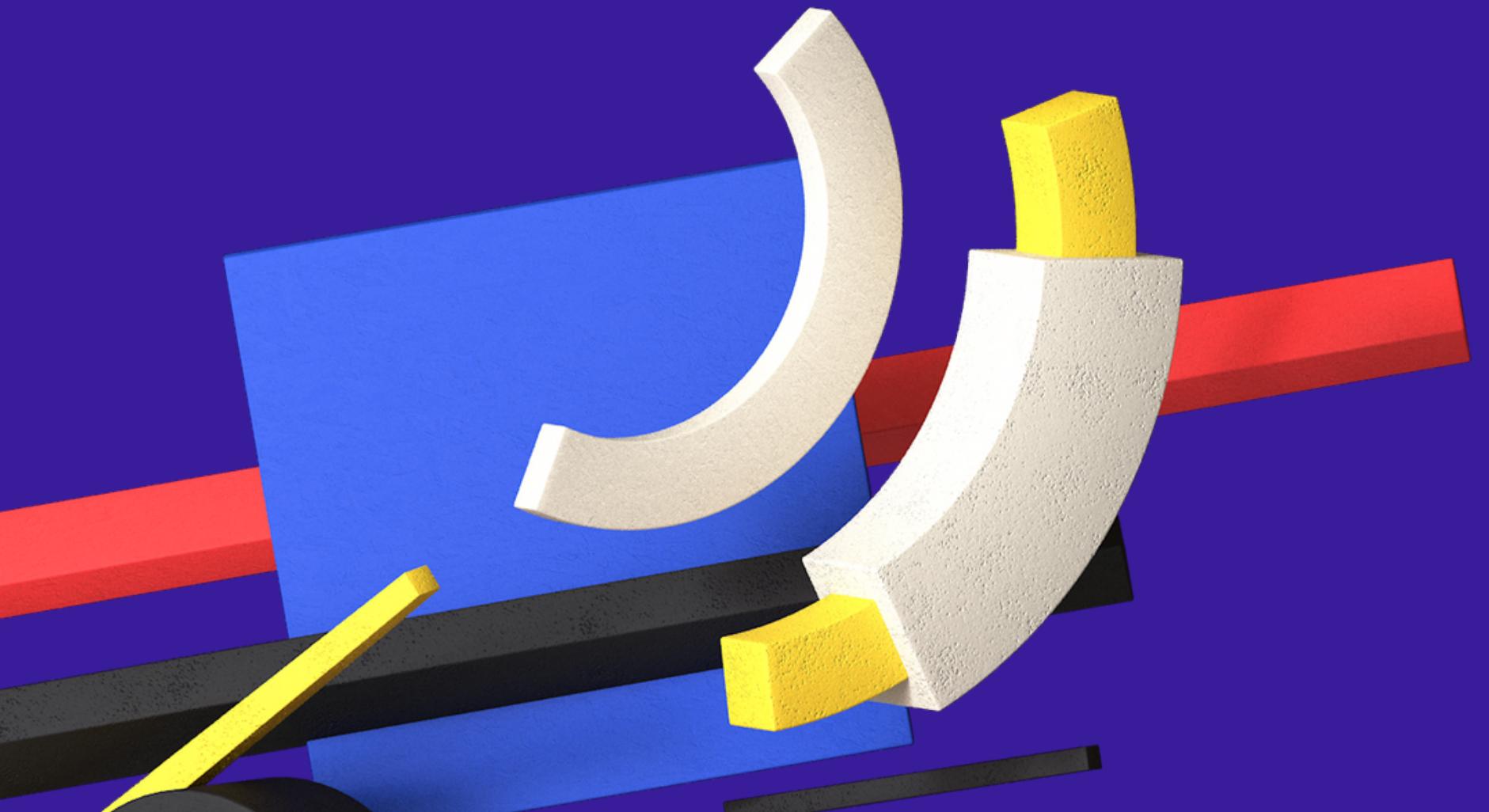
Management of Electricity using Waste Materials

BY: VIREN, PRATIK, SUJAL AND AASHI



Purpose of choosing this project

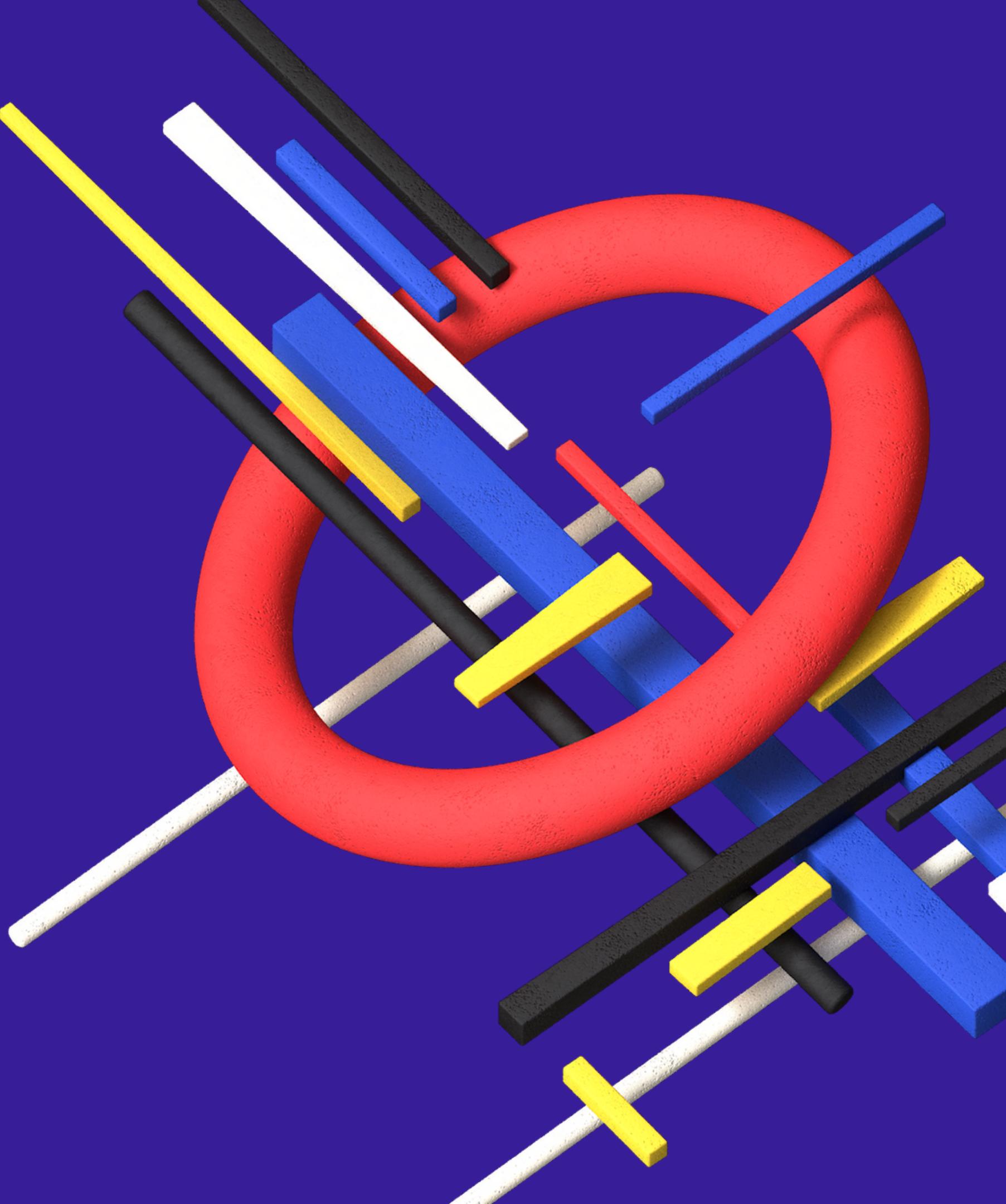
Why this project?

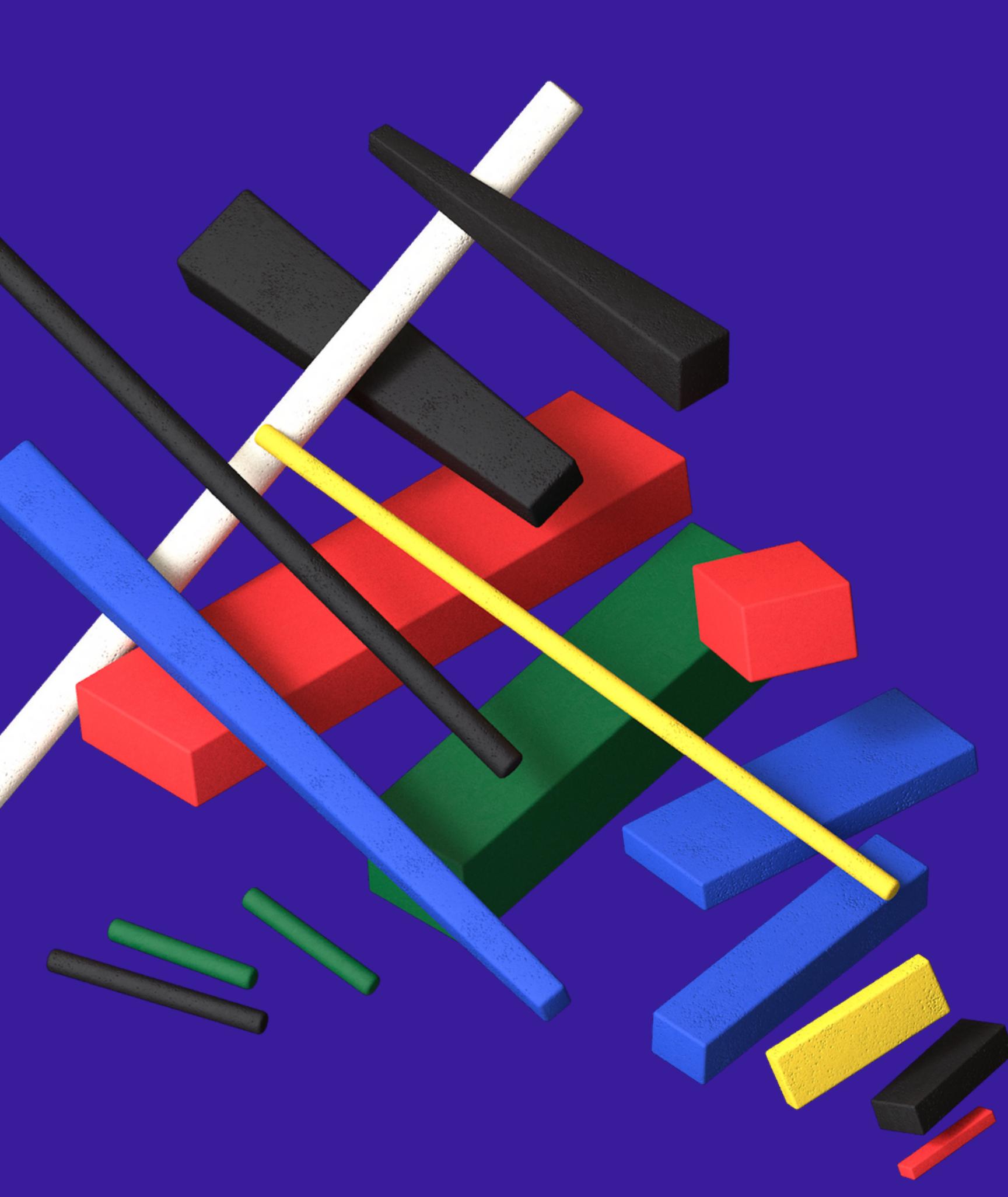


The purpose of making this project is to generate electrical energy from waste materials like plastic, rubber, garbage and bad stuff etc. and store that electrical energy in the battery through the circuit and use that electrical energy to operate the whole project.

Literature Survey

This idea of management of electricity from waste materials is currently being used in the municipal in our capital city Delhi.

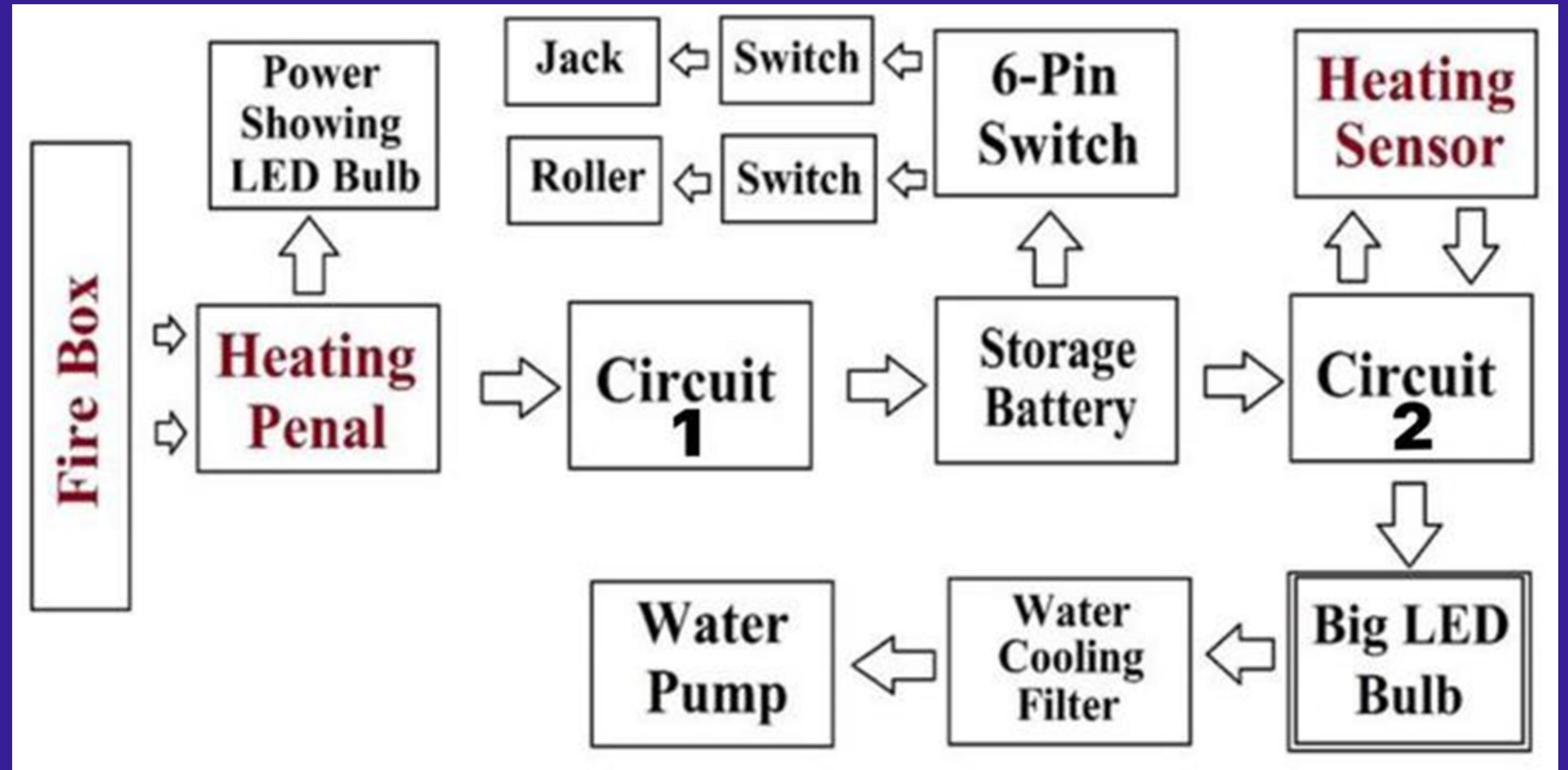




Element that
makes our project
different is...

A Battery for storage
of electricity for future
use, and a pollution
control circuit.

Block Diagram



Working



Working

STEP 6

After storage,
heating sensor
circuit
activates

STEP 7

This
activations
gives the
stored power
to the load
connected

STEP 8

After the output
power supply is
given, the LED
glows for
indication

STEP 9

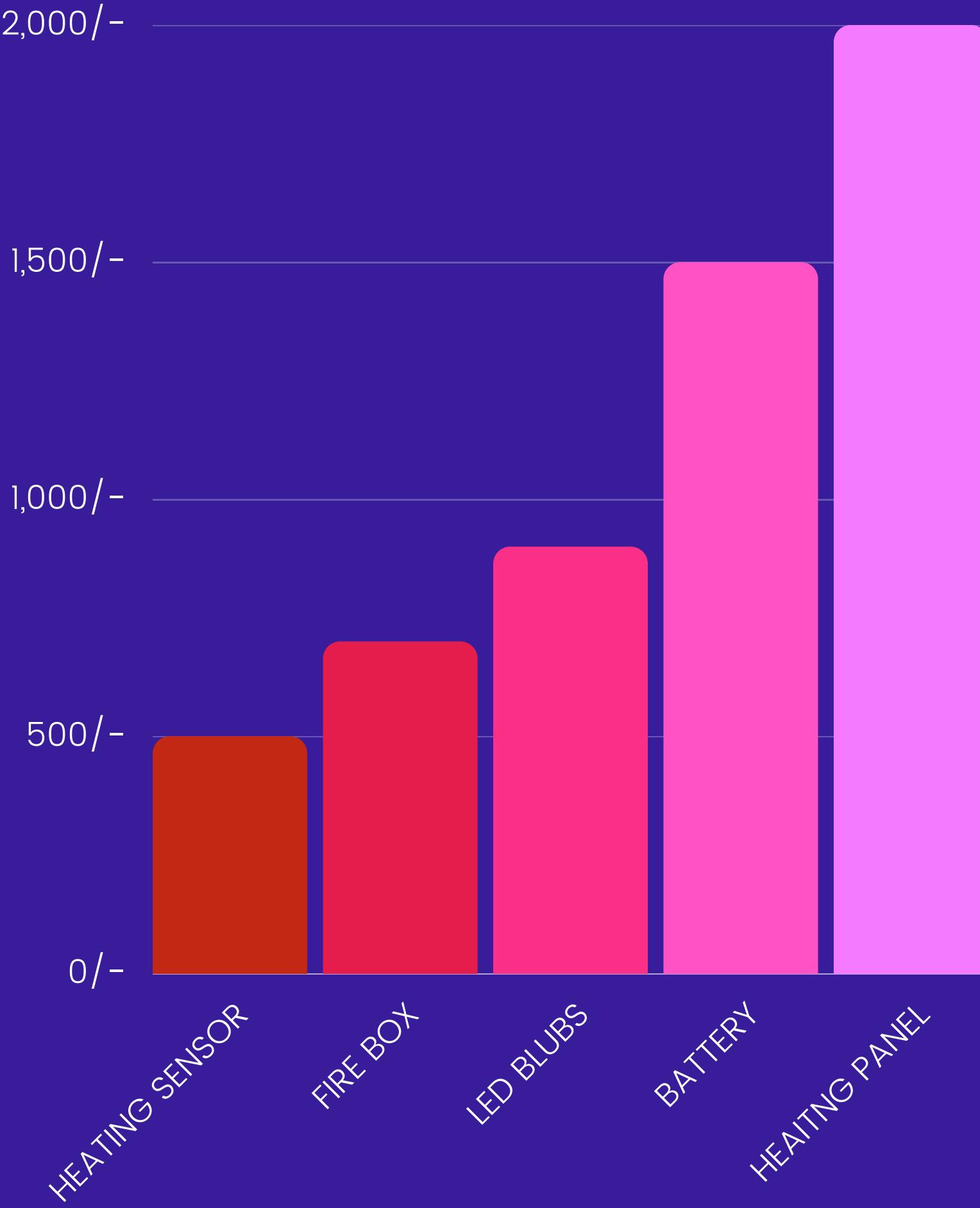
Lastly, water
cooling filter also
called as
pollution control
filter comes in
use with water
pump

STEP 10

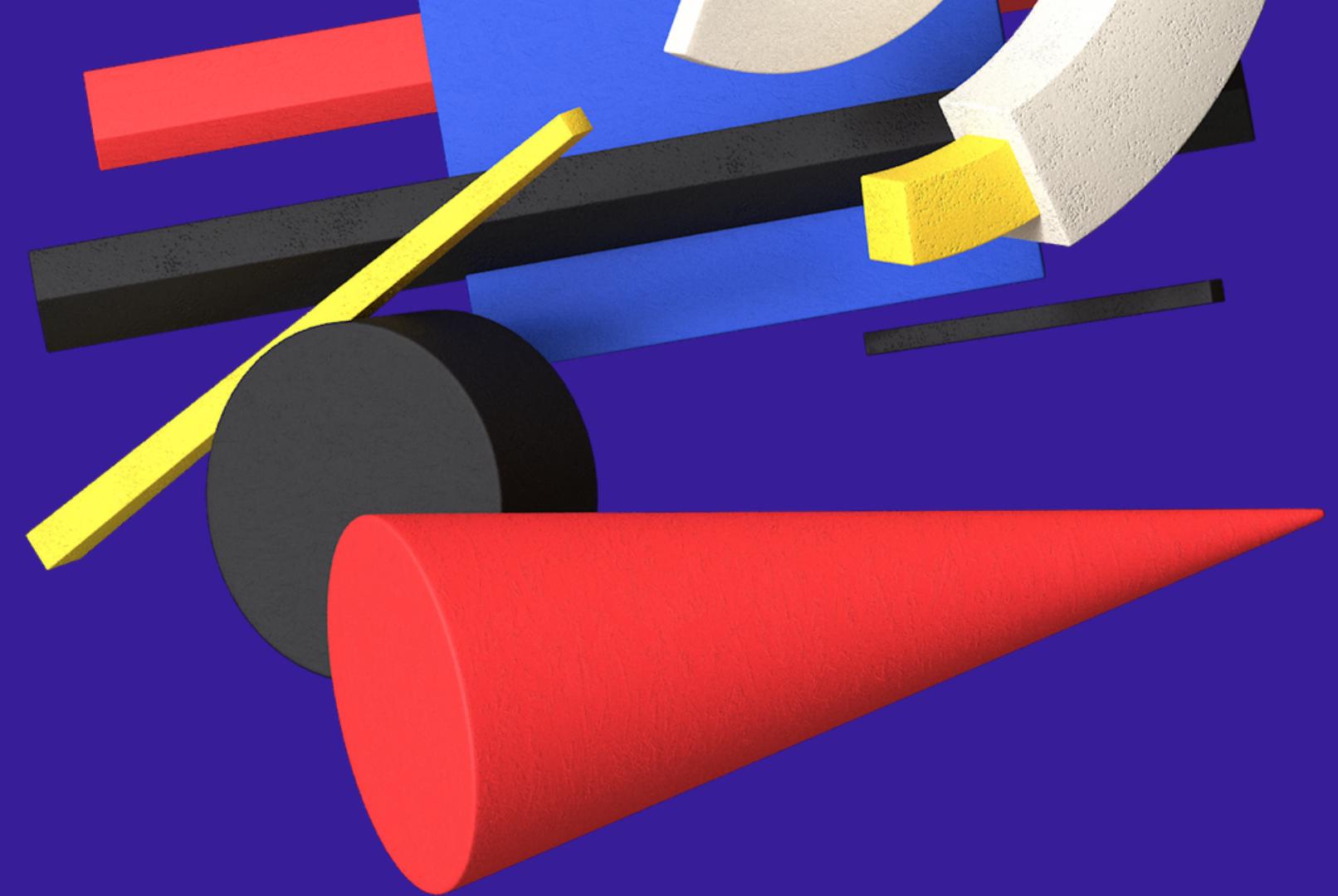
A pollution
control filter is
activated
hence
completing the
single cycle
process

Approximate costing of the project

Total costing of the porject is
for about Rs 6000/-



THINGS TO KNOW



ADVANTAGES

We can generate electricity anywhere, anytime, low cost, easy circuitry, store energy for future use.

DISADVANTAGES

We cannot burn things like wood, only a certain level of energy can be generated

APPLICATIONS

Highly used in municipal operations due to large amount of waste, used in biogas or biomass plants on a large scale.

Conclusion

As we know, this project is highly in use in India and also in other parts of the country is a totally functionally and practically possible. So here we conclude by saying that waste reduced and energy generated and pollution control can totally work together.



THANK YOU

