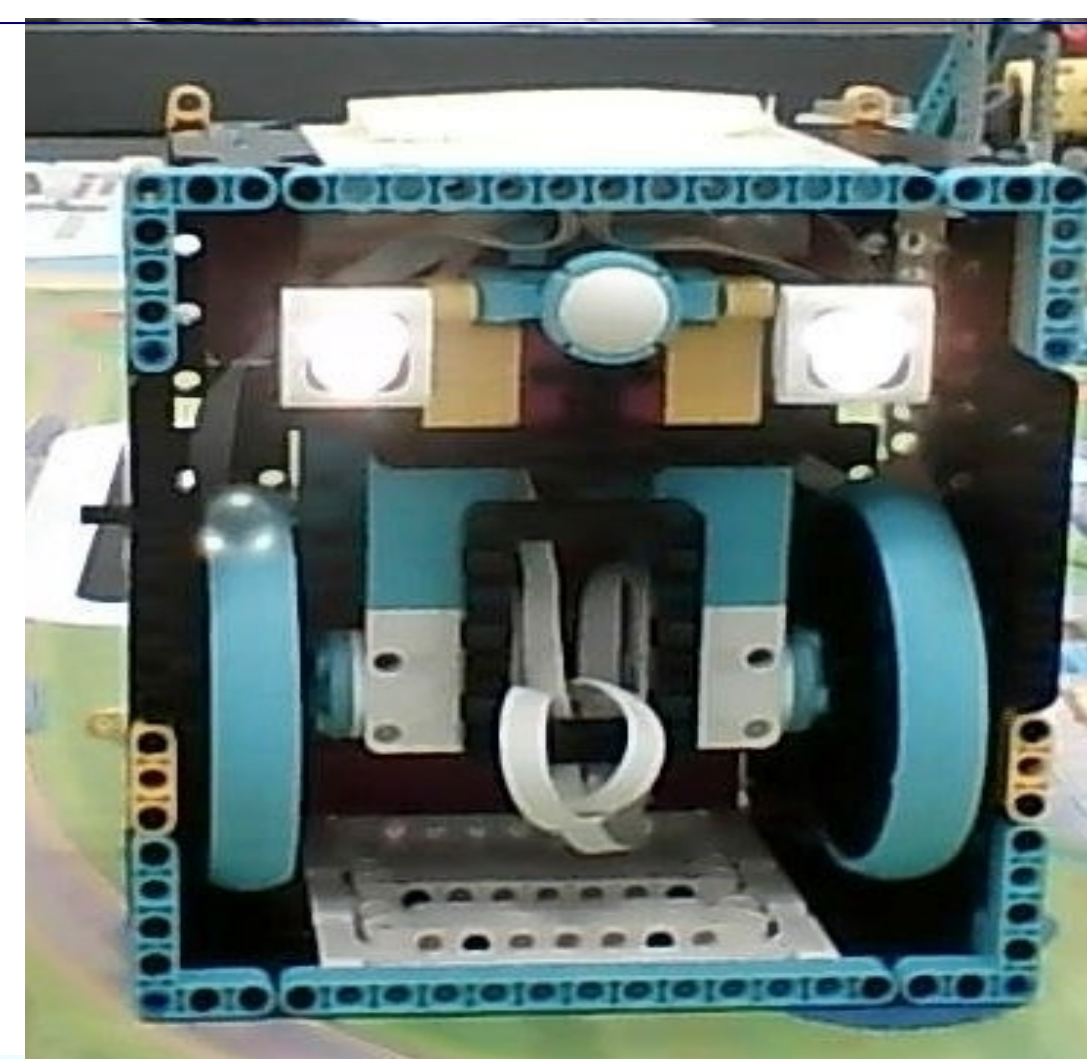
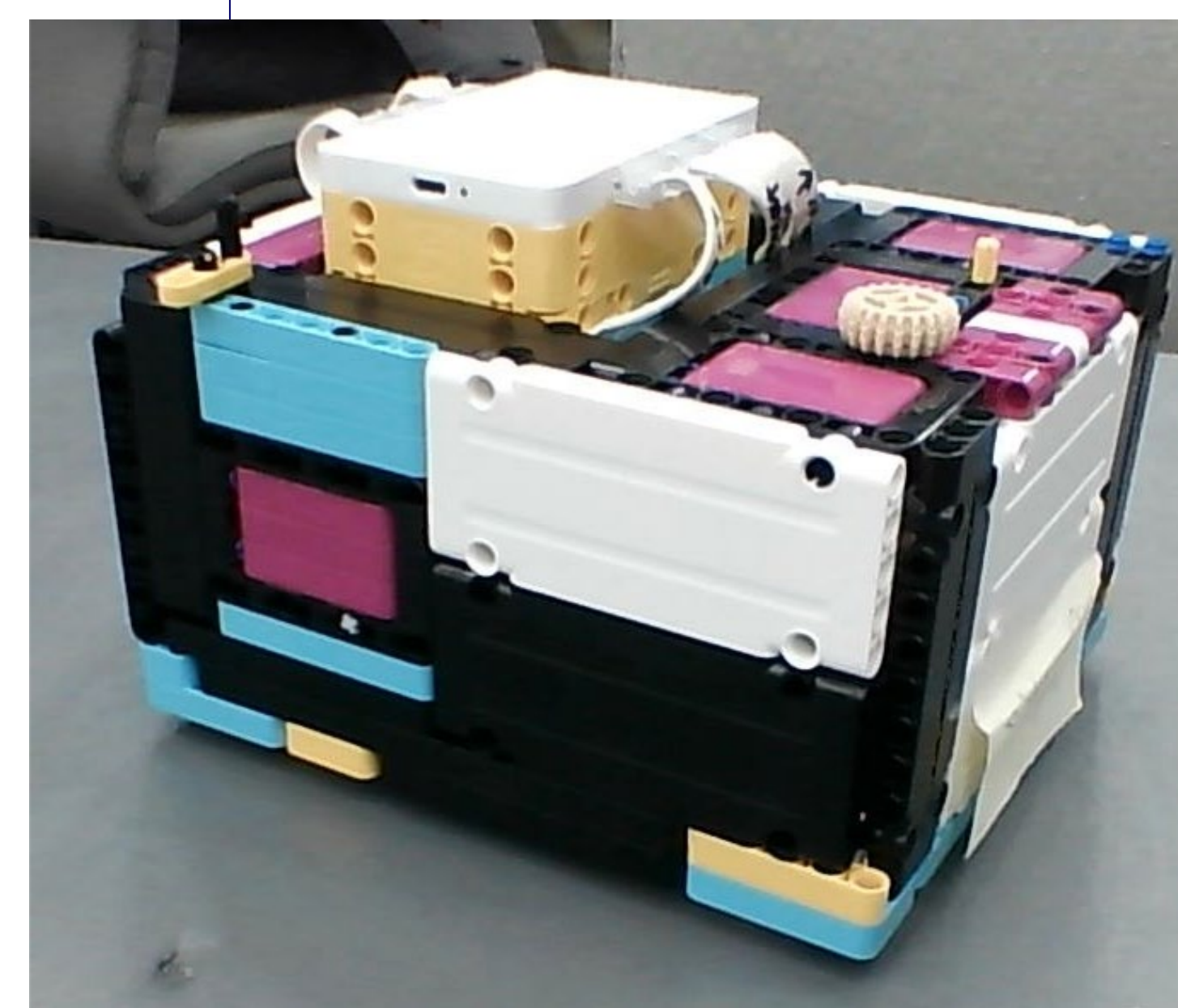


The inside of the robot looks like a face. The color sensors are the eyes and the wheels are—very big—ears then the blask stabilizer is the mouth. Ok now let's get to what the real thing is made of, the two motors that move the wheels



Why is it a box?

1. It makes space to connect attachments
 2. The structure makes it more stable, and reduces the center of gravity
 3. It keeps it dark for the color sensor able to focus better
- Basically it helps with task.



PROGRAMING

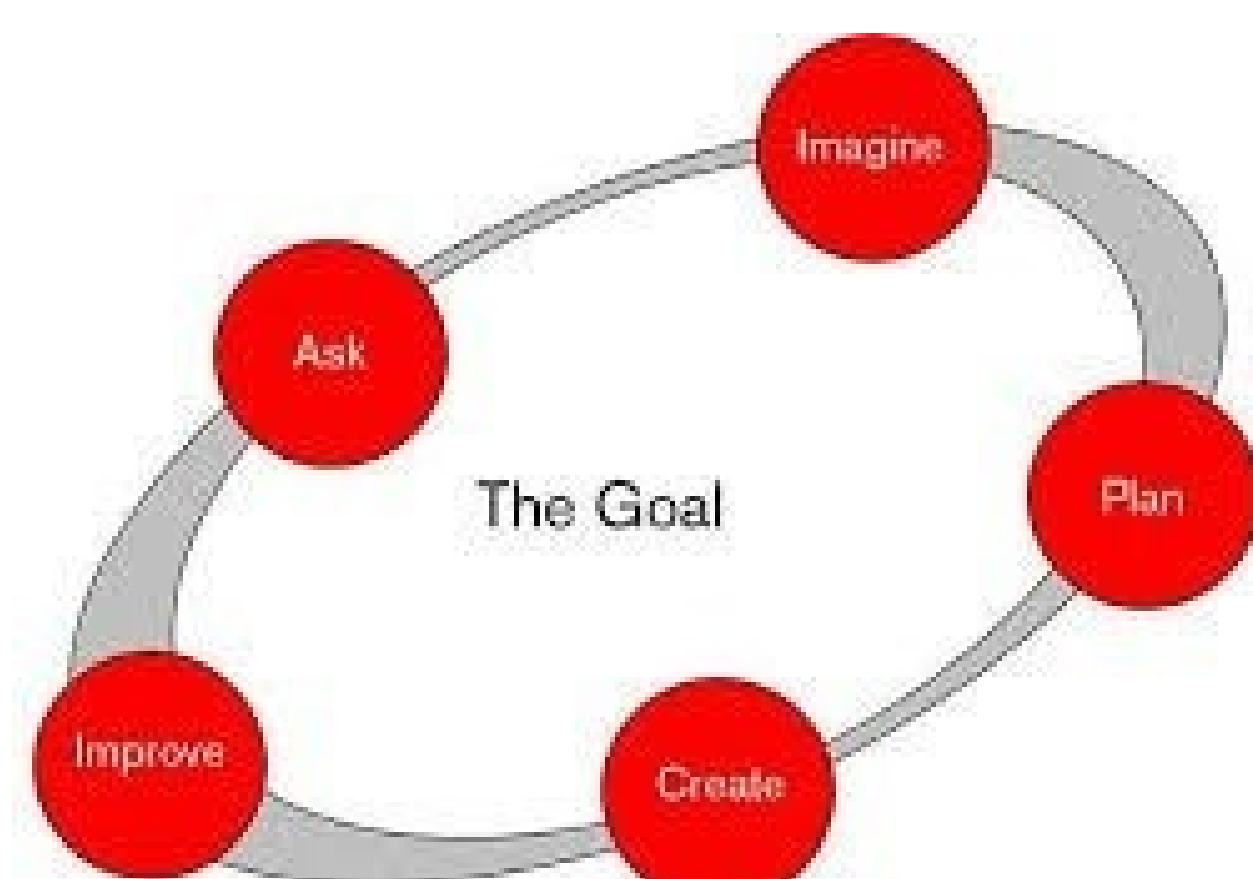
For the first competition we had all singular codes, but we had to improve the codes for the state competition. We have two complete chain codes saved on our robot, named Eagle. We used multiple types of code blocks to make our robot move side to side and back and forth. The coding that we used made the robot run smoothly across the field. We chose not use any sensors in our codes because our codes were already perfected without them. We mostly used the pink movement code blocks, and the blue motor code blocks.

Design Iteration

We had many ideas that developed into our attachments today. One main idea was our attachment for the windmill.

We had the idea by research, and trial/error

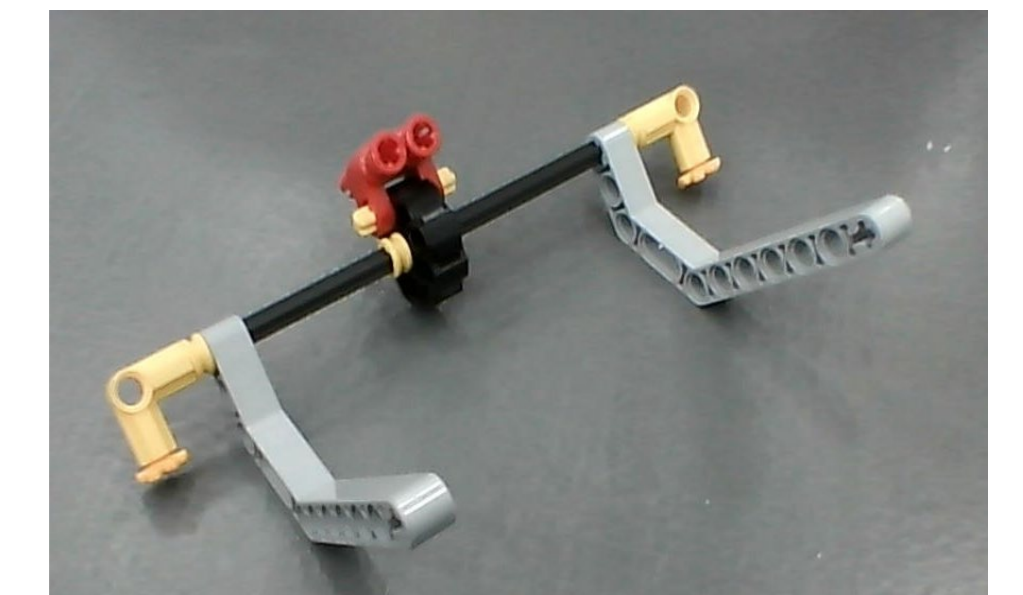
We had the design, but overall it was very complicated. So due to trial and error we made the useful design today.



Attachments

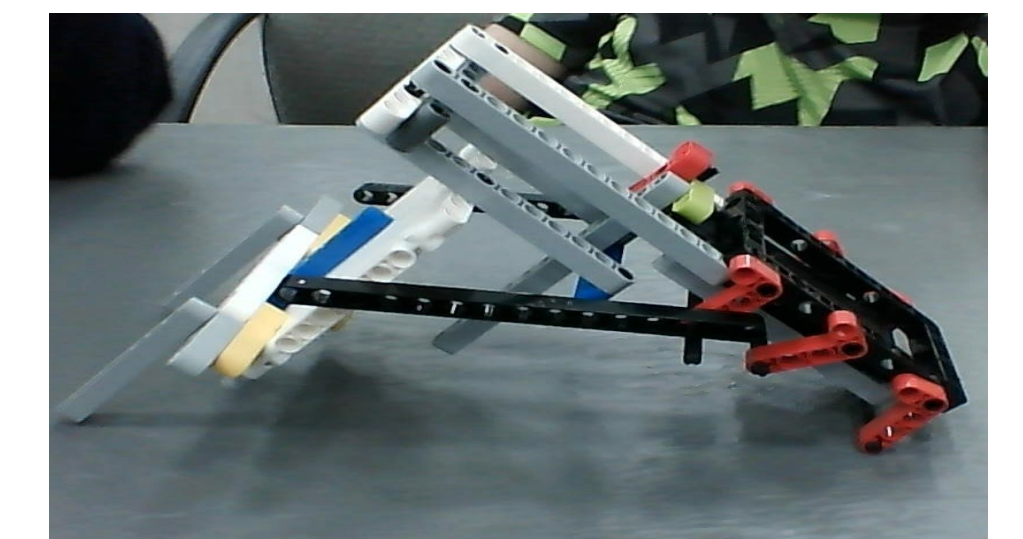
The Dino Dragger

Used to move energy to middle and dino to other side.



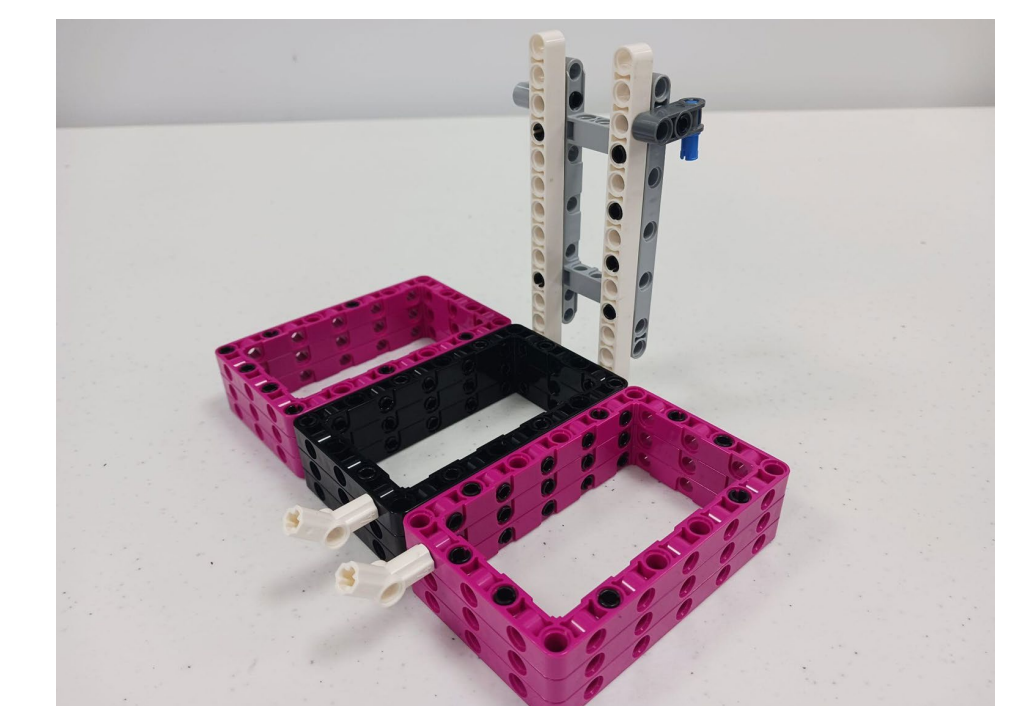
The Energy Dropper

Used to drop energy into the toy factory.



The Windmill Harvester

Used to release and catch energy from the windmill.



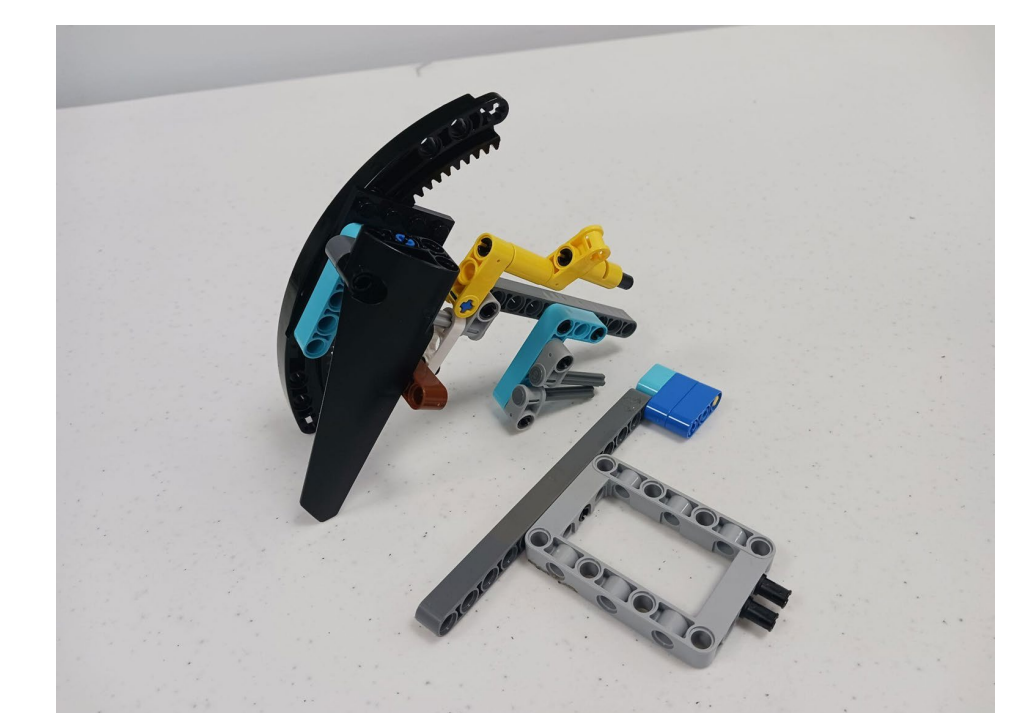
The Energy Snagger

For each side of robot to catch energy as it passes.



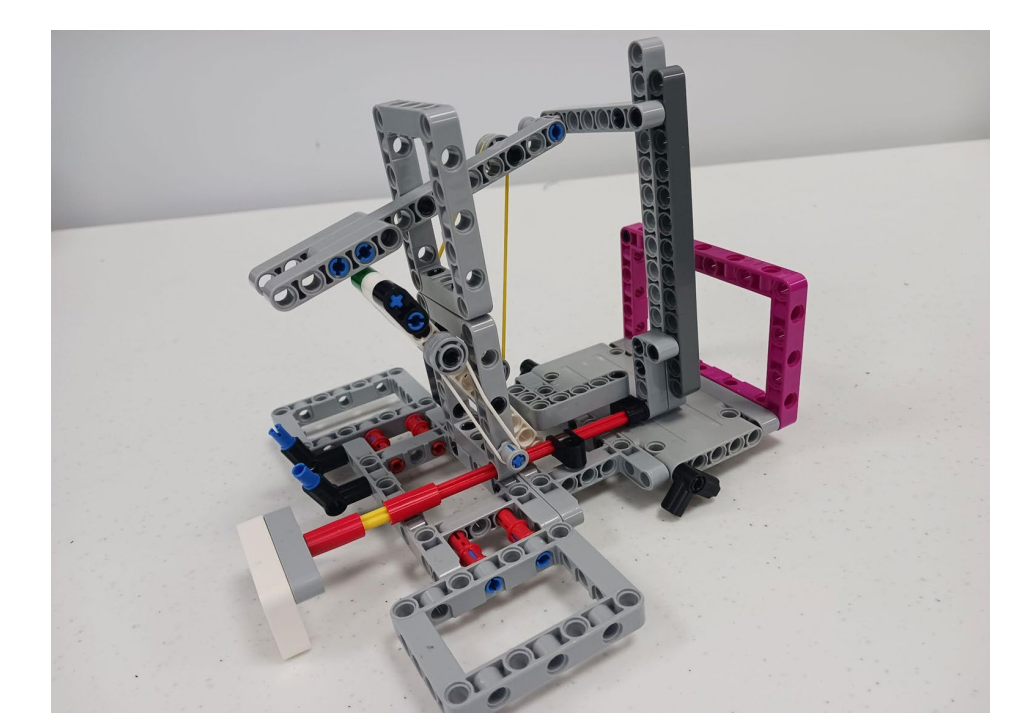
The Hydro Dam Releasers

Used to release the water energy into the other energy unit.



The Power Plantanator

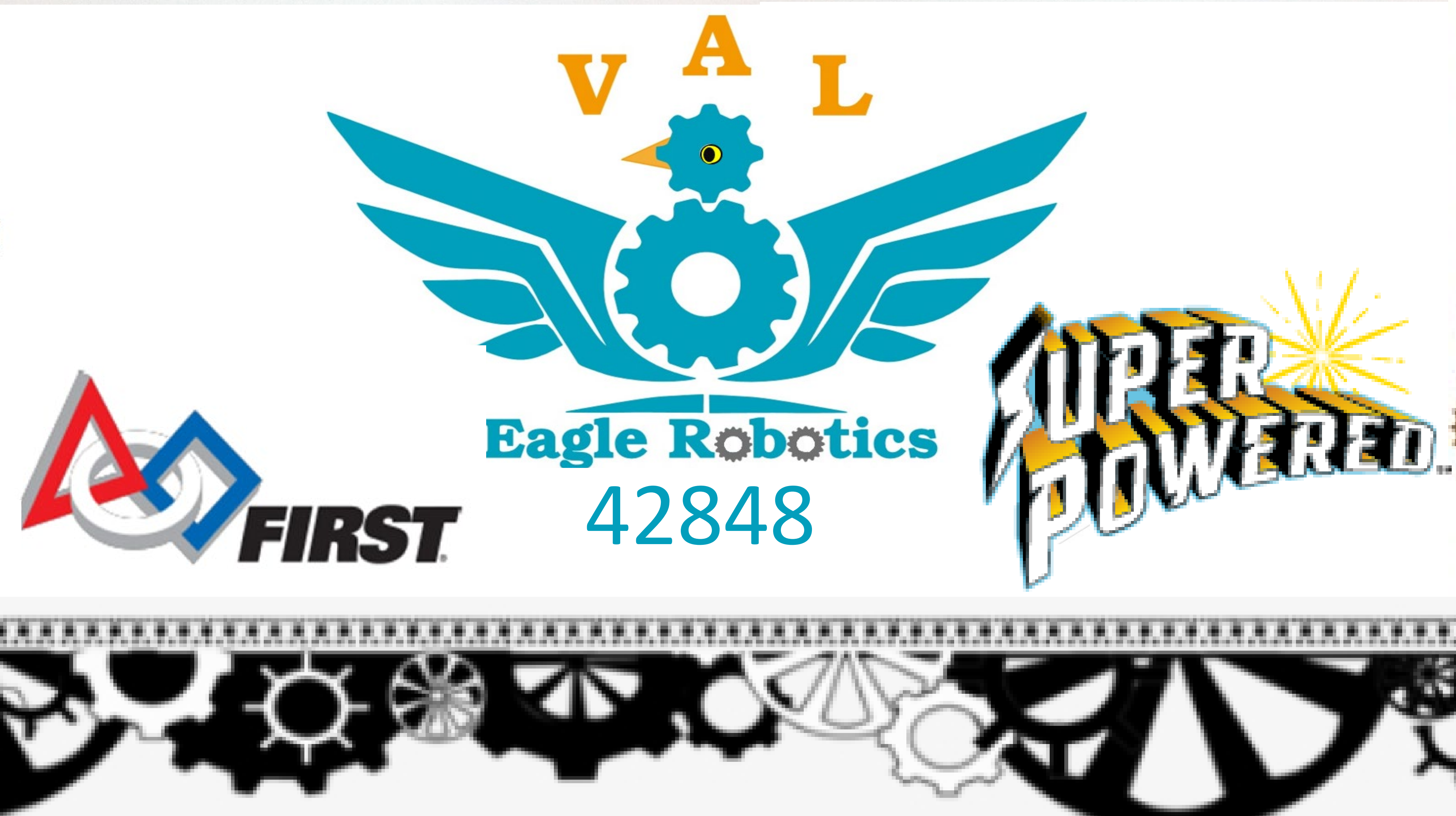
Used to release energy from the power plant.



Price Price & Price

Battery , Price- \$247,65.00
Generator , Price- \$9,450
Wire , Price- \$140.75
Fiberglass Rock , Price- \$644

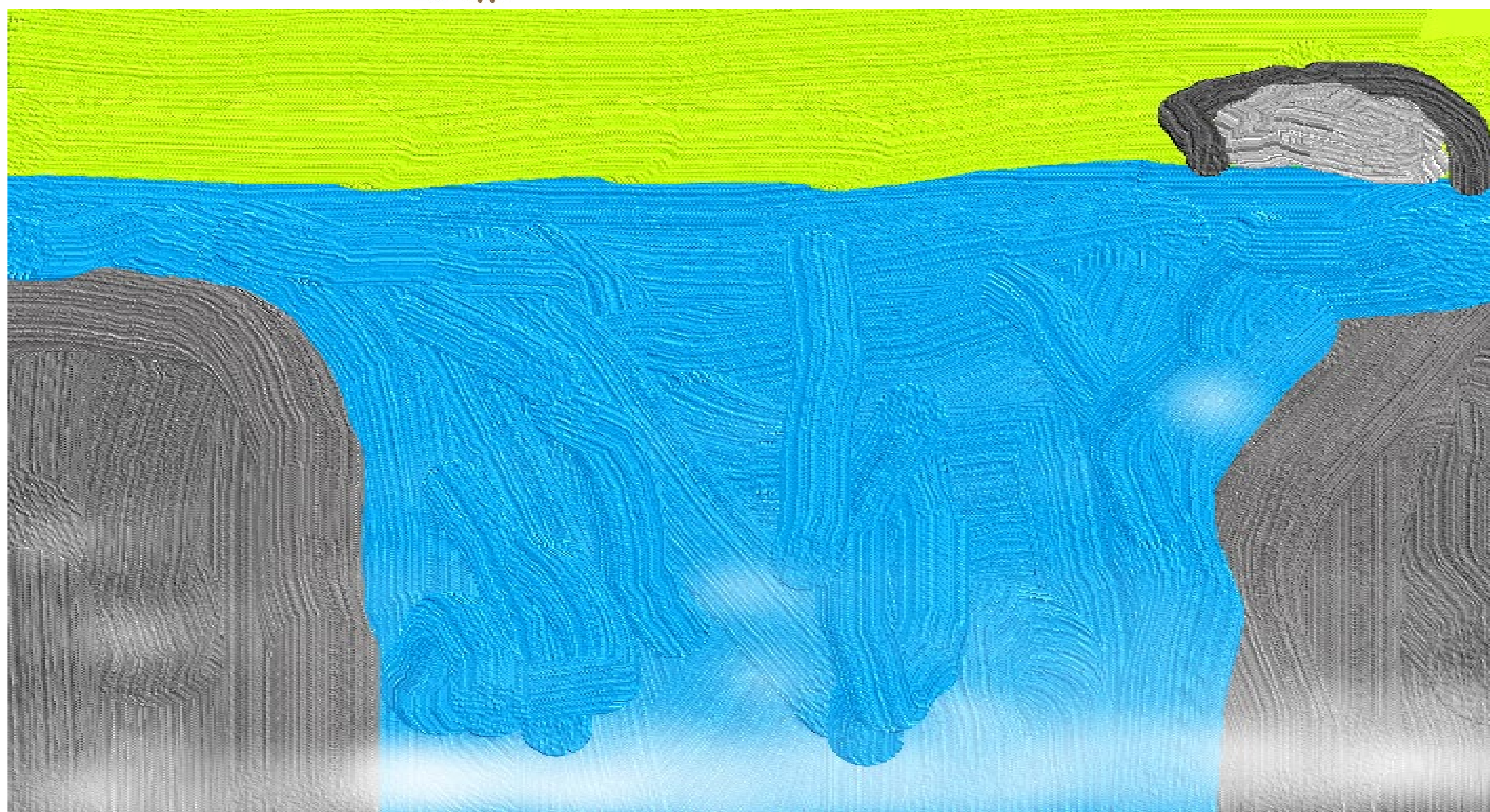
Sources
Components,
Battery, EcoDirect
Generator, eBay
Wire, Life and Home
Fiberglass Rock, Lowe's Website



How we chose this design?

We combined the ideas & mechanisms of the Wind turbine, Water mill, and anemometer to come up with the 1st model and it evolved into Finale Model F.

What is the goal for our design?
Our goal is to get energy to remote places that don't have energy. We want to have cleaner energy.



Why we chose this design?

We chose this design so that we can help people find cleaner energy and stop global warming.

How does our design work?

1. Technical
The down motion of the waterfall turns into a repeating circle motion in the water wheel that converts the circle motion into electricity that charges the batteries that powers generators.
2. Looks
With little environmental effect and not being visible, there is little effect to the view.