

Problem



Solution



Accomplishments

Our BE 1200 amusement park needs **transportation** for users to travel to attractions faster than on foot and reduce congestion.

Design a shoe car with eight wheels for both mini-riders and humans.

RC Mode: Bluetooth phone controls car carrying mini-riders.

Skate Mode: Car unfolds to become roller-skate for humans.

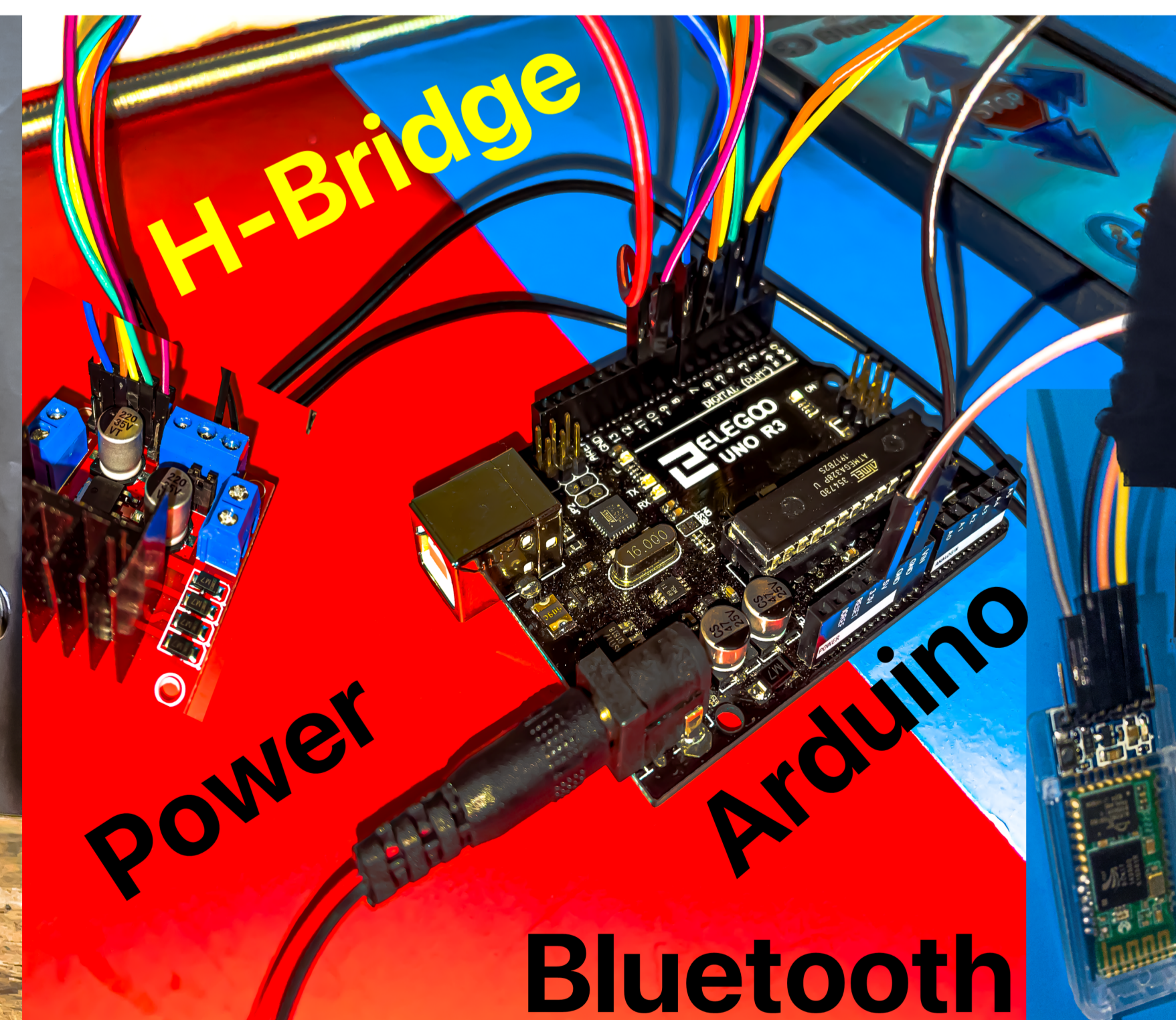
It Works!

Safe: Supported by durable metal rods
Eco-friendly: Electrically Powered
Fuel Efficient: Lightweight
Designed the body using NX.
Learned Arduino and Motor Control Fundamentals.

Skate Mode

Electronics

RC Mode



Supports Human Weight!

