

IPRO 313



C
Z
c a r
R

clean

zinc

air

refuelable

Electric Cars

- Pros

- Efficient
- Clean
- Quiet

- Cons

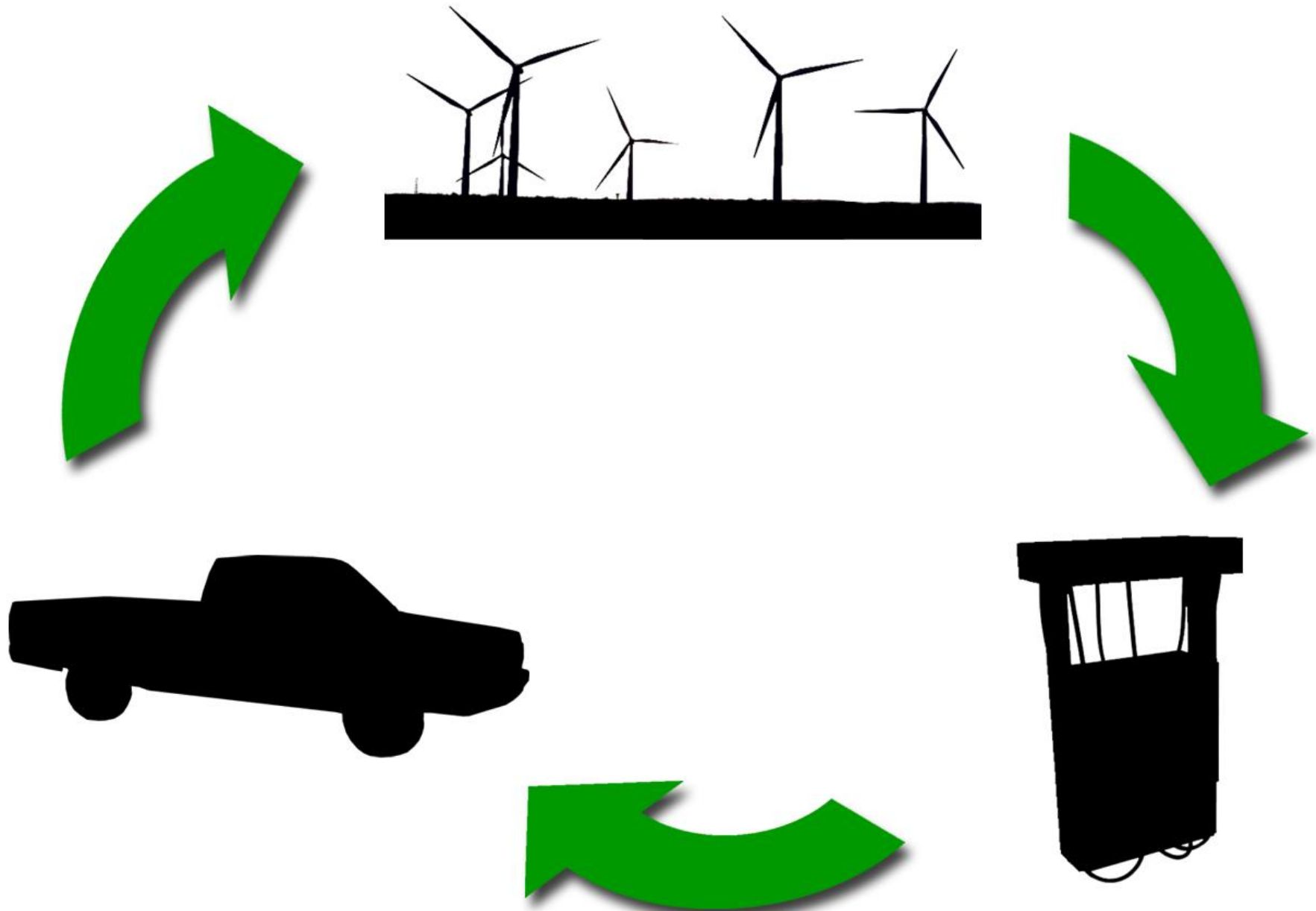
- Recharge time
- Range

Our Project

To make a fully electric vehicle using a zinc-air battery.

Zinc is abundant, renewable, and cost effective.

Zinc Energy Cycle



Teams

Battery Team

- Zinc-Air Battery Design

Car Team

- Conversion of truck

Business Team

- Proposals, promotion, funding

Goals

Battery Team

- Make a working single cell prototype, and design the full size battery for car

Car Team

- Rebuild electric power system and have truck running

Business Team

- Construct a website, ongoing effort to secure funding and media attention

Progress to Date

Battery Team

- In the process of building second battery prototype

Car Team

- Deconstructed the truck and ordered necessary parts

Business Team

- Researched funding opportunities, setup website domain and hosting, written proposals

Obstacles, Challenges, Needs

- Obtaining the funding needed to purchase truck parts essential to the project.
- New company formed to achieve the same objectives, we are working cooperatively with them, but could bring up obstacles in the future.
- Logistics of truck rebuilding has been more difficult than anticipated.