IPRO 313

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.