

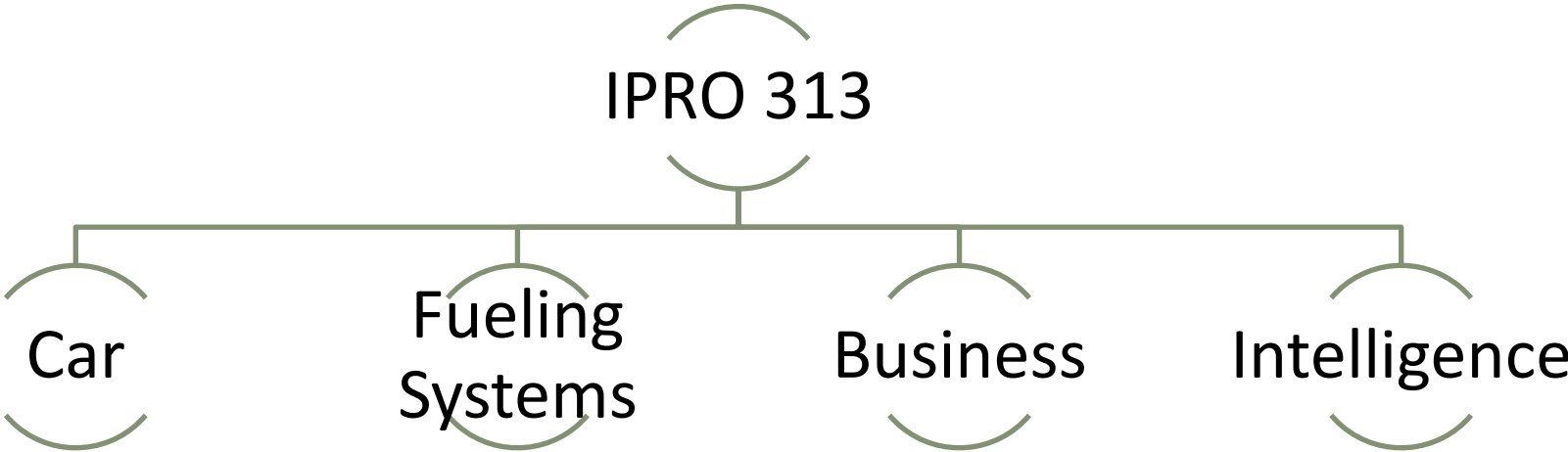


IPRO 313

Refuelable Electric Cars

I PRO 313

The Subteams



I PRO 313

Car



- Goal: a functional ZnO electric Car
- Current tasks: mounting and securing the electric motor to structural frame
 - Issues: designing and fabricate their own custom mounting bracket

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Car



- Electric motor has been connected and bolted to the transmission
 - mass, shape, and working space are factors that have added to the level of difficulty



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Car

- fitting the mounting bracket on the motor for the first time



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Car



- Final adjustments are being made to the mounting bracket.
- Next step: install and fit in a controlling unit for the motor

I PRO 313

On Car Fueling System



Zinc Air, Inc

- Designing and building battery



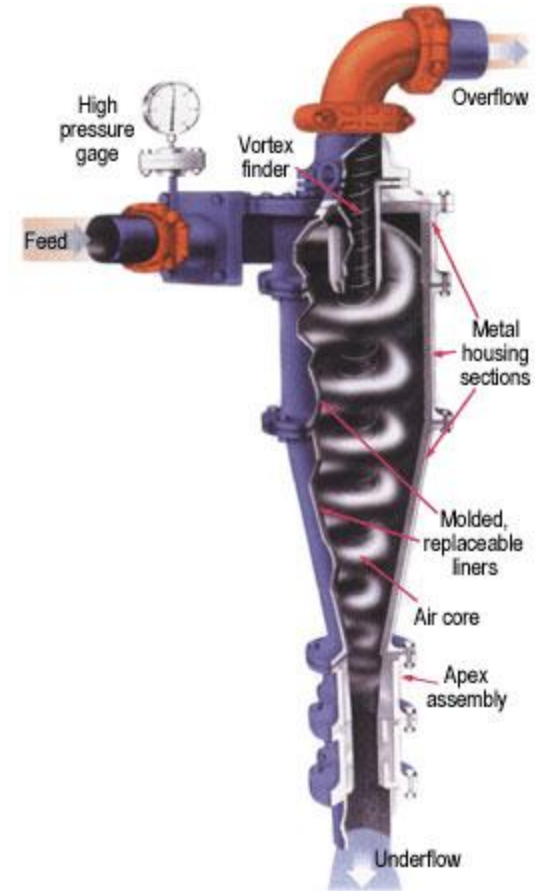
IPRO 313

On Car Fueling System



The fueling system:

- Fuel tank
- Fuel cell distribution system
- Filtering



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Off Car Fueling System



- Goal:

Create an off-car fueling that serves the same purpose as a gas station, but with zinc as the alternative fuel.

-Diagram

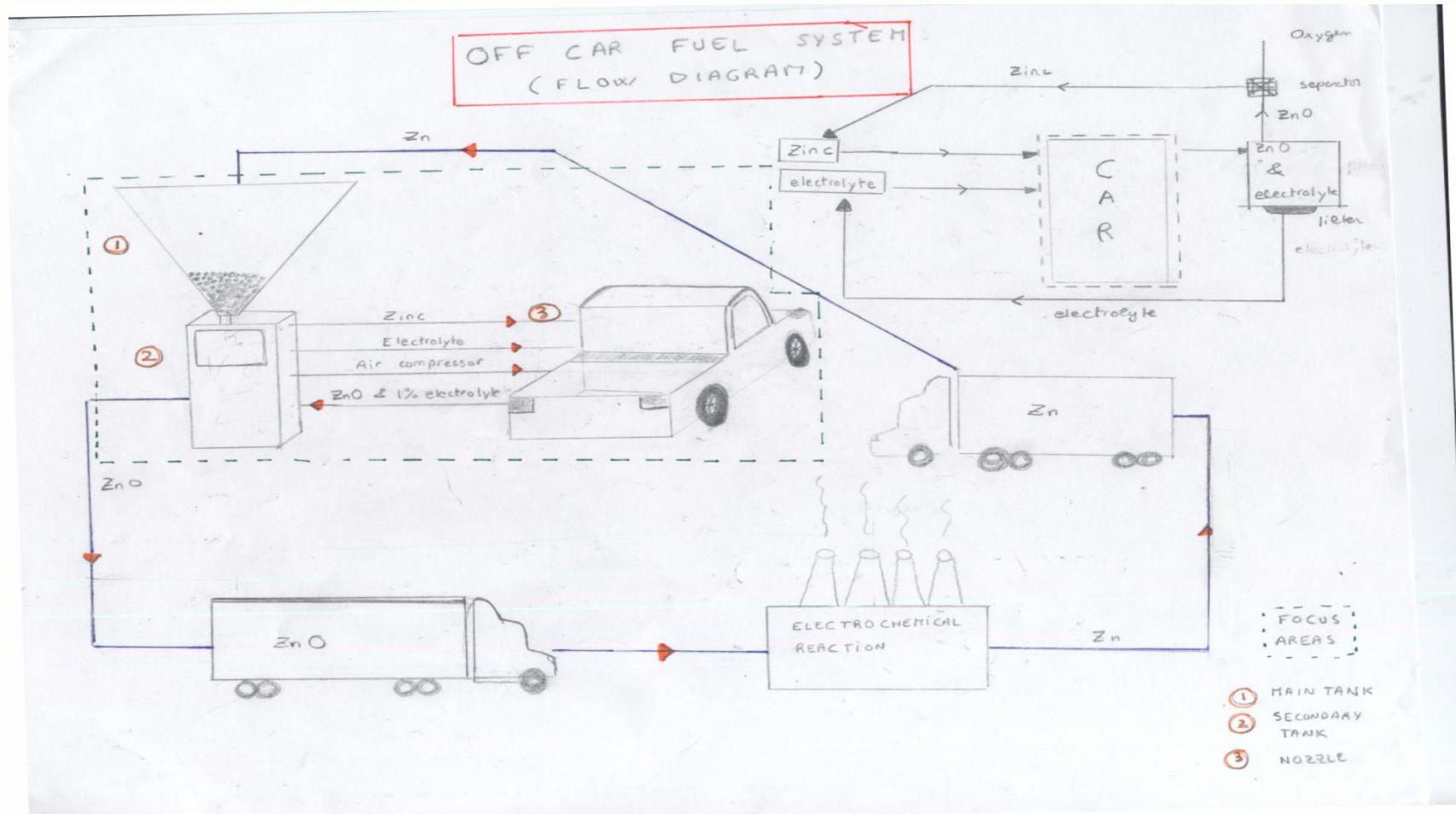
-Blueprints

-Small Scale Model



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Off Car Fueling System



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Off Car Fueling System



- Flexible Screw Conveyor:
- SpiroFlow



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Off Car Fueling System



- Future Plans:
- Send Zinc Samples for Conveyor Configuration
- Test Prototype
- Construct Small Scale Prototype

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Business



- Business Promotions
 - Advertising
 - Financial investors
- Business plan
 - budget
- Public Outreach
 - Alumni contacts
 - Media

IPRO 313

Intelligence



- Patents Pertaining to All Automotive Factors
- Competitive Research
- Coordinate Inventions
- Subgroup Oversight and Intercommunications





Any questions?