

3/2/2014

Members Present : All Present

2:20pm

Main task for this week: PDR Preparation

System Design will be broken into different parts:

Motor and Controller System - Ben Drake, Jake

- Look up simulations.

- Analyze why last year's motor and system choices are justified.

- Inquire about the prices. (estimates)

- Figure out what requirements are needed. (i.e. Professor Yu)

VSCADA - Naing, Drew, Ben R

- Figure out design architecture affected by EV rules.

 - Seems like split system (Pack manager and central brain) will work the best.

- Figure out new hardware.

 - Interface considerations: I2C, RS232, CAN?

 - Display considerations: touchscreen, LEDs?

 - Development considerations: support, longevity, dev environment?

Pack Design - Constantine Deir

- Read the EV rules to find out violations to the current design.

 - i.e. wire routing, Tractive/Low voltage separation

- Come up with the two geometries of the pack

- Gather information on length, width and heat flow of the casing.

Cost Analysis of Pack components - Rob Lombino

- Come up with cost estimates of the major components of the battery pack.

Everyone, for Wednesday

- Come back with the specific list of tasks for each part responsible.

Meeting adjourned at 3:03pm