

# MEETING MINUTES 20

## Topic: Meeting 20 – Team Leads Meeting

Thursday, March 29, 2018

02:30pm - 03:30pm

Chair: Leo Segura De Niz

Attendees: David Willy, Karin Wadsack, Alana B, Alex D, Anthony C, Devon H, Tristan S

Location: Room 323 @ EGR Building

**Table 1.** Tentative Schedule

### Introduction

1. Announcements
  - a. Institutional excuse forms
  - b. Team Shirts
  - c. Fundraising event
  - d. DOE report
    - i. Final Draft DUE April 9th.

### Discussion Topics

1. Market Team Update
  - a. V2G
    - i. Met with Yaramasu yesterday, he thinks the work that they are trying to do is outside of scope.
    - ii. Suggested an overall simulation. More overview and not too detailed.
    - iii. Discussed what the purpose of the model is? What do we need for the competition?
      1. Explored the simulink model. → Development area.
      2. Document the work that has been done and move on to siting.
  - b. Siting
    - i. talked about the site visit.
  - c. Business Plan
    - i. Karin gave an overview of the business plan.
2. Test Team Manufacturing, Assembly and Testing
  - a. **Yousef** - Bench Test testing code during leads meeting.
    - i. Did a bench test for the linear actuators for the hub pitching using different voltages.
    - ii. Willy made some recommendations.
  - b. PCB Board delivered?
    - i. Package is here (maybe?)
  - c. Generator - New order placed? Do we know if this will have a cogging torque that we can overcome with aerodynamics?
    - i. AMMO 28-56-1530KV generator ← This was suggested. Order this one too. ASAP!
      1. Alex D. - Rush the order
      - ii. ETA - Monday for the other generator that was ordered earlier this week.
    - d. ME Manufacturing/ welding
    - e. 2nd order parts
3. DOE Report
  - a. Plan, Timeline
  - b. Progress - What has been done? What will be done by tomorrow? Go through each section

**ME:**

Baseplate - done  
Bearing Spacer - done  
Tower Sleeve - done  
Lower Nacelle - done  
Nacelle Spacer - holding off  
Top Nacelle - tomorrow  
Tower Weld - in process.  
Tower Sleeve Weld - done  
Hub - next week  
Yaw- Done  
Brakes - Next week  
Shaft -holding off  
Shaft Bearing - in hand.  
Blades - full set ready next week  
Generator Mount - Holding off  
Yaw Mount - Done

**EE:**

PCB Schematic - done  
PCB Layout - in order-will be here tomorrow  
Component Purchasing - generator  
Braking Code - waiting on solenoid  
Pitching Code - done  
Dump Load Code - done  
Boost Converter Code - soon  
H-Bridge Code - done  
Soldering PCB - approximating 2-3 days after receiving the PCB

**Plan for next meeting**

1. Review deliverables/ tasks/ to-do's to be completed by the next meeting.