

MEETING MINUTES 13

Topic: Meeting 13 – Planning for the future

Wednesday, November, 29th, 2017

05:15pm-06:30pm

Chair: Anthony Cheslic

Attendees: Alana Benson, Craig Collins, Leo Segura De Niz, Mitchell Green, Michael Vogelsang, Diana Carlson, Tyler Brown, Shawn Malkou, and Jordan Parker.

Please bring:

- Engineering- Update on current design responsibility
- Business- Market updates, and scheduling for winter break

Location: EGR Building, Rm#323

Table 1. Schedule

05:15pm-05:20pm	Announcements <ol style="list-style-type: none">1. Karin is requesting a schedule for work to be completed over the break.2. Market Team will not need to attend the all hands meeting on December 4th.3. Photoshoot on Tuesday the 5th of December in the Frankie Business College building at 5:30pm. Participation is encouraged, please attend!
05:20pm-05:45pm	Discussion Topics <ol style="list-style-type: none">1. Dr. Acker Meeting Update<ol style="list-style-type: none">a. Wind Resource<ol style="list-style-type: none">i. Discussed siting challenge and local wind resources using OpenWind software.b. Blades<ol style="list-style-type: none">i. Discussed further iteration of blade design in QBlade software.2. Capstone Deliverables<ol style="list-style-type: none">a. Individual Analysis II (Due 12/01/17)b. Final CAD/BOM (Due 12/08/17)c. Final Prototype Summary (Due 12/08/17)d. Report Revisions (Due 12/11/17)3. Top Level Design<ol style="list-style-type: none">a. Where are we at?<ol style="list-style-type: none">i. Anthony- Currently analyzing pitching system. Will be completed by 12/01/17ii. Alana- Shaft matched to hub in Solidworks

	<ul style="list-style-type: none"> iii. Craig- Blade completed in Solidworks iv. Leo- Flow analysis completed on S809 v. Michael- FEA completed and found a factor of safety equal to 7. Wanting to adjust thickness. vi. Mitchell-Spoke with Willy, still looking into yaw bearing options. Bearing selected by next Wednesday. <p>4. Team/Project story and metrics to Karin.</p> <ul style="list-style-type: none"> a. Alana will complete by next week.
<p>5:45pm-6:20pm (Business Students Arrive)</p>	<p>Business Update “Go over announcements!”</p> <ul style="list-style-type: none"> 1. Current Market Situation <ul style="list-style-type: none"> a. Reviewing business canvas videos prescribed by Dr. P. b. What is our competitive advantage? c. Who’s doing what? <ul style="list-style-type: none"> i. All members are reviewing videos, and will be starting industry and market analysis on Tuesday December 5th .
<p>6:00pm-6:25pm</p>	<p>Preliminary Winter Break Work Schedule (12/18/17-1/12/17)</p> <ul style="list-style-type: none"> 1. Engineering <ul style="list-style-type: none"> a. Main goal over break is to up turbine output to 3MW. Four week breakdown as follows: <ul style="list-style-type: none"> i. 12/18-12/22 <ul style="list-style-type: none"> 1. Continue wind resource research for siting challenge. 2. Perform analysis of 3MW turbine components. ii. 12/25-12/29 <ul style="list-style-type: none"> 1. Model updated 3MW components in Solidworks. iii. 01/01-01/05 <ul style="list-style-type: none"> 1. Perform FEA on components, and adjust design according to findings. iv. 01/08-01/12 <ul style="list-style-type: none"> 1. Assemble final CAD components 2. Possible 3D print of prototype 2. Business <ul style="list-style-type: none"> a. Diana to contact Karin regarding turning in a schedule on Tuesday the 5th of December.
<p>06:25pm-06:30pm (Remaining minutes)</p>	<p>Plan for next meeting</p> <ul style="list-style-type: none"> 1. Review deliverables/ tasks/ to-do’s to be completed by the next meeting.

