



## ASU - High Altitude Turbine Project (HATS)

Project Update : **February '12**

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### Summary:

Our team has been focused on addressing any and all design, mission, and scope deficiencies from the original proposal document. In addition to this month's update we will be providing a project redesign document with our findings. Overall we have de-scoped some of the original functionality of our design while maintaining an achievable science/engineering goal. The process of refocusing on the functionality of our project has led to a greater resolution and understanding of what the desired outcome should be. With this major adjustment we have updated our schedule and are in the process of testing sensors and components. Please let me know if there are any problems with the project redesign document.

### Key Accomplishments:

- Re-evaluated project design
- Re-design of payload
- Final parts list
- Received sensory components
- Full integration of new team members

### Upcoming Tasks:

- Programming to collect and store data from all sensors
- Evaluate and test individual sensors
- Fabricate new payload housing
- Test propeller performance ability with new sensors
- Simulate data and power connection to HASP
- Test ability to maintain operable conditions within the interior housing
- Mounting of sensors on assembly

### Questions for HASP

- Does HASP have software simulating typical data transmission to payloads?

*-Patrick McGarey // Project Manager*