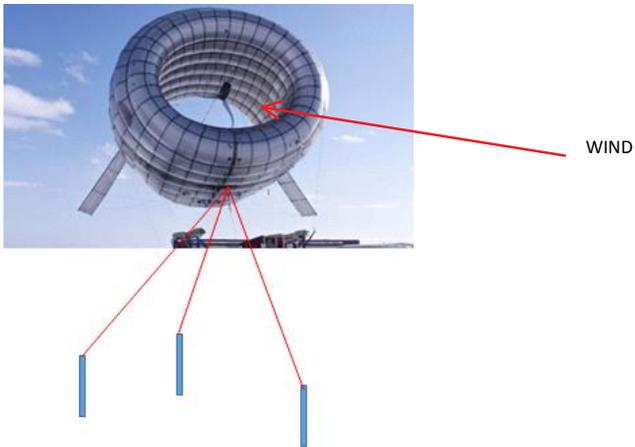


6c - Balloon Turbine Project Introduction

Sunday, August 27, 2017 6:55 PM



Currently 2 out of 3 people in sub Saharan Africa lack access to electricity.^[1]

^[1] <https://www.usaid.gov/powerafrica>

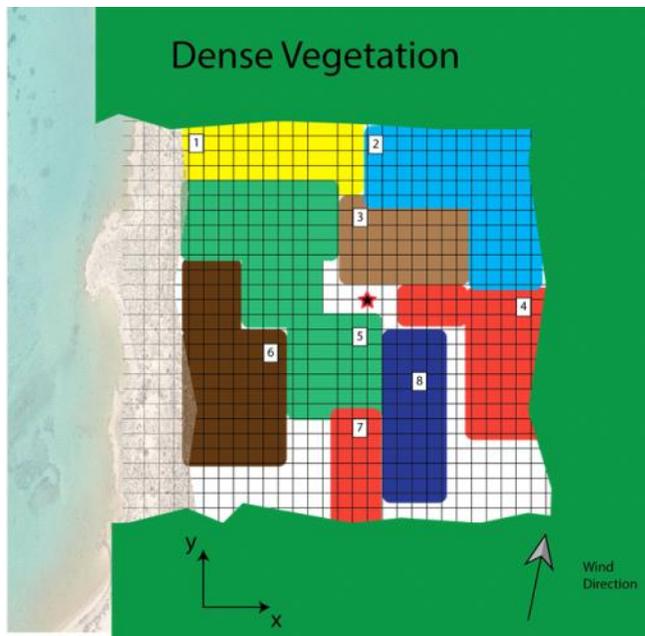
You get to decide what you are going to power in the community.

Selling power to neighboring communities to payback initial costs.

Analyzing social impact in both the zone involved in construction and the elements you power in the community.

Calculating construction costs and material cost.

Incorporate technical limitations (maximum cable tension)



8 zones in which you can anchor your turbine

Teams of 2-3 students randomly assigned on CANVAS

Use When2Meet or other software to figure out when your group can meet.

Submit a draft as well as send draft to reviewing team by first due date.

Conduct review of another teams work.

Make changes to your work based on evaluation from other team.

Reviewing trading groups

| | | |
|------|-------|-------|
| 1↔2 | 11↔12 | 21↔22 |
| 3↔4 | 13↔14 | 23↔24 |
| 5↔6 | 15↔16 | 25↔26 |
| 7↔8 | 17↔18 | 27↔28 |
| 9↔10 | 19↔20 | 29↔30 |