TEAM INFO SHEET:
WIND TURBINE DESIGN CHALLENGE

Using your knowledge of how wind energy works, build a small turbine to produce as much power as possible! Think about the best construction techniques and the most innovative design to make it operate. Entries will be judged based on performance as well as creativity, quality, and demonstrated knowledge.

Team Info

Team name (do not use your real names): ____________________________________________________________

Grade level: K-4th grade 5th-8th grade 9th-12th grade College+

Coach’s name: __________________________________________________________

Coach’s email: __________________________________________________________

School or organization: _______________________________________________________

Tell us about your team (do not use your real names): ________________________________
___________________________________________________________________________
___________________________________________________________________________
___________________________________________________________________________

Basic Information

City: ____________________________ State: _____ Country: _____________________________

Turbine Info

Number of blades:

Type of drivetrain: Geared drive Pulley drive Direct drive

Generator used: KidWind Wind Turbine Generator KidWind Hi-Torque Wind Turbine Generator
Other DC generator AC generator

You will need to upload a photo of your turbine. Do not include your faces in the photos. Make sure that the file is less than 100MB, and is in .png, .gif, .jpg, or .jpeg format.

You have the option to also submit a link to a video of your turbine. Please do not include faces in the videos.

You will also have the option to upload a research statement about your turbine. This is optional, but may help boost your score! Please note that any documents uploaded will be publicly available on the internet.
**Turbine Performance**

Wind Speed - m/s (meters per second): 

Turbine rotor swept area - cm² (square centimeters): 

Resistor value (ohms): 

Turbine voltage - V (volts): 

Turbine power - mW (miliwatts): *This field will autocalculate.*

Turbine efficiency - %: *This field will autocalculate.*