eco|cad Design Group, LLC www.ecoCadDesignGroup.com www.ecoStemHouse.com

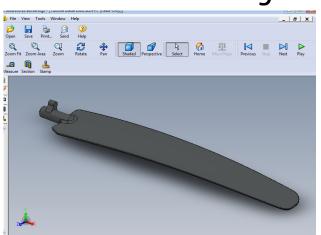


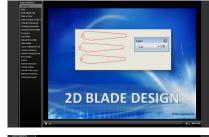
## Experiments for the ecoCAD / InspirTech Wind Turbine Blade Design and Performance Kit



Based on the WindPitch<sup>tm</sup> Wind Turbine along with

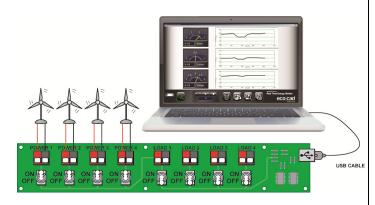
Your Custom Blade Designs











eco|cad Design Group, LLC www.ecoCadDesignGroup.com www.ecoStemHouse.com



## **Important Advisory**

These plans are presented in "as is" condition.

By using these plans you hold ecoCAD Design Group, LLC and all members, investors, employees and owners harmless from any damages arising from the use of these plans including, but not limited to, the resulting physical implementation of the plans and any tests or experiments done with them.

In no case shall ecoCAD Design Group, LLC be liable for any damages or injuries resulting from the use and/or implementations of these plans and/or any tests or experiments done with them.

These plans are not warranted for fitness for any particular purpose. Users of these plans assume all responsibility for their safe and effective use.

By using these plans you agree to these terms.

eco|cad Design Group, LLC www.ecoCadDesignGroup.com www.ecoStemHouse.com

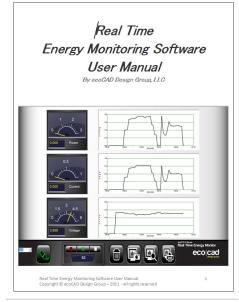




The experiments use the Real Time Energy Monitoring Software. Refer to the "Real Time Energy Monitoring Software User Manual" and accompanying video for information on installing and using the software.

User Manual
Refer to the following link to download the manual:
<a href="http://www.ecocaddesigngroup.com/downloads/">http://www.ecocaddesigngroup.com/downloads/</a>

Video Real Time Energy Monitoring Software Video http://www.ecocaddesigngroup.com/videos/





eco|cad Design Group, LLC www.ecoCadDesignGroup.com www.ecoStemHouse.com



## **Table of Contents**

The following experiments use the WindPitch Horizontal Axis Wind Turbine (HAWT) along with the blades that come with it.

You are encouraged to also perform these experiments with your own custom blades (either 2D or 3D) in order to determine their performance as compared with the standard supplied blades.

Worldwide Wind Power Installations......63

## **ALWAYS WEAR SAFETY GLASSES**

Wear your safety glasses during the preparation for and execution of the experiments