Wind-Rider robot offers a high quality wind turbine inspection, data collection and analysis service. Combining state-of-the-art robotic technology with computer vision algorithms and impact sounding device allows us to perform comprehensive analysis of your blades and predict future failures. Wind-Rider has vertical mobility and offers a robotic solution to conduct visual inspections on blade exterior surfaces and examine a blade internal structure and locate flaws such as cracks, delamination and de-bonding.

**WIND-RIDER ADVANTAGES**

- Inspect areas of the blades not accessible to humans
- Provide exact damage length and location
- Lower expense for wind turbine service providers
- Profit for wind farm operators

Please visit our website for more details: [http://skysweepers.com/theme/#gallery](http://skysweepers.com/theme/#gallery)

**SPONSORS AND PARTNERS**

- National Renewable Energy Laboratory
- Massachusetts Clean Energy Center
- Geophysical Survey Systems, Inc.
- National Science Foundation
- Power Bridge New York

**TYPICAL USES**

- Wind Turbine Inspection
- Water Dam Inspection
- Wind Farm Maintenance

**WIND-RIDER FEATURES**

- Damage detection accuracy based on X, Y, Z (plots)
- Subsurface inspection accuracy based on X, Y, Z (plots)

**WIND-RIDER FEATURES**

- Drawing of our data collection system with dimensions

InnovBot LLC
A Worldwide Robotic Solutions Company

Wind-Rider
Automate and digitize your inspection processes with cost and service downtime savings

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