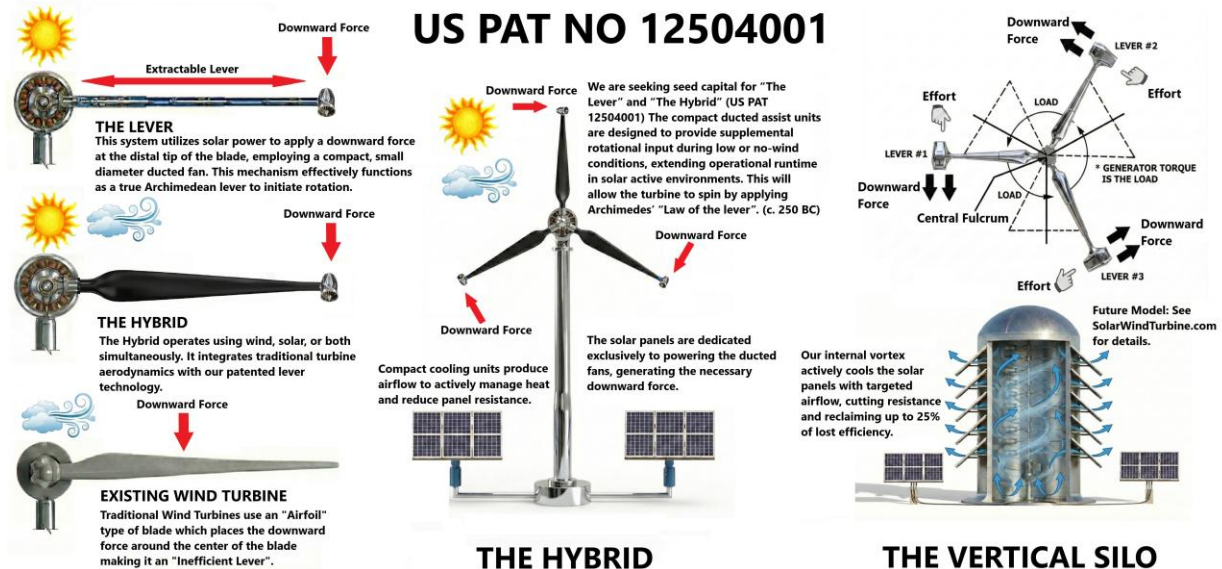




Solar Wind Turbine

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Pre-Seed Investment Memorandum

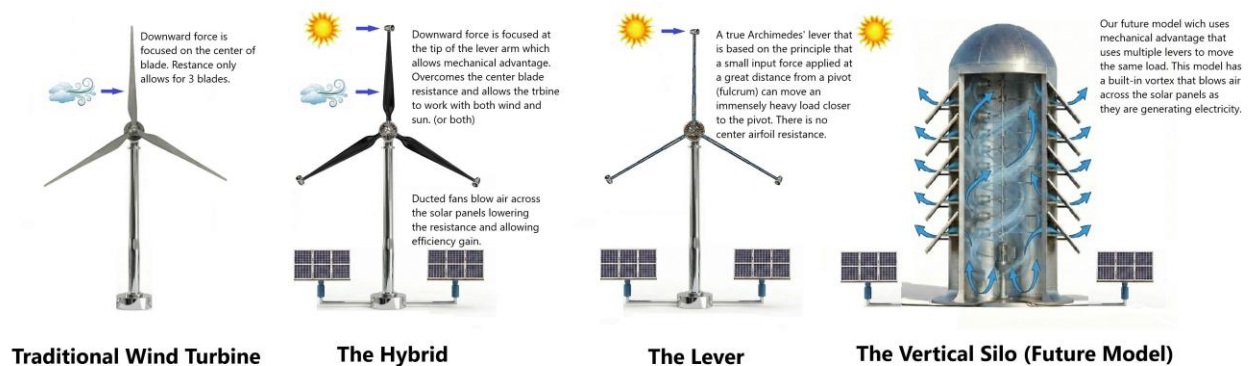
1. Executive Summary

We are seeking **\$2.0M in pre-Seed capital** to fund the fabrication and independent aerodynamic validation of nine proprietary wind turbine prototypes. Our objective is to empirically demonstrate the superior power coefficient (C_p) of two novel architectural designs—the **Lever** and the **Hybrid**—against industry-standard Horizontal Axis Wind Turbines (HAWTs).

To ensure scientific integrity, all nine units will utilize identical permanent magnet generators (PMGs) and nacelle housings, isolating architectural geometry as the sole variable in performance differential.

2. The Engineering Problem & Solution

Current renewable energy platforms are reaching the theoretical limits of legacy architectures. Standard PV modules plateau at ~20% efficiency, while traditional HAWTs struggle with mechanical losses and high cut-in speeds.



The Architectural Shift

Instead of incremental airfoil optimization, our technology re-engineers the **moment of inertia** and **torque distribution**:

- **The Lever Model:** Utilizes an expandable lever arm with distal-mounted ducted fans, maximizing torque through an increased moment arm.
- **The Hybrid Model:** A multi-modal system integrating traditional blades with distal ducted fan housings.
- **Kinetic Augmentation:** The Hybrid model utilizes solar-thermal gradients to generate downward force at the blade tips, creating a proprietary mechanical advantage that sustains rotation during low-wind velocity periods.

3. Prototype & Validation Strategy

The 24-month roadmap focuses on "The Rule of Three" to ensure data saturation and investor de-risking.

Validation Partners: We have established MOUs with third-party academic institutions to conduct "blind" field testing in three distinct climates: High-Irradiance (Coastal/Subtropical), High-Altitude (Montaneous), and Standard Industrial.

4. Intellectual Property & Scalability

- **Defensible IP:** 5 years of R&D has resulted in a robust patent portfolio covering the mechanical linkages and the hybrid solar-kinetic interface.
- **Vertical Volumetric Density:** Our architecture allows for **horizontal rotation and vertical stacking**, a proprietary configuration protected by patent that enables higher energy density per acre than traditional wind farms.
- **Modular Assembly:** Features an electronically controlled **telescoping main shaft**, allowing for ground-level maintenance and reducing O&M (Operations & Maintenance) costs by eliminating the need for high-altitude cranes.

5. Strategic Alliance Model

We are targeting **Strategic Corporate Investors** rather than generalist VC, prioritizing:

1. **Tier-1 Utilities:** Seeking to increase grid stability through continuous-generation hybrids.
2. **Wind OEMs:** Seeking to license IP to leapfrog competitors in low-wind-speed markets.
3. **Solar Manufacturers:** Seeking a "Wind-Ready" vertical to deploy existing PV technology onto kinetic platforms.
4. **Use of Proceeds (\$2.0M)**

Capital Allocation Breakdown

- **45% R&D & Prototyping:** Lease of a high-clearance (40ft+) facility and fabrication of 9 units.
- **16% Human Capital:** Lean core management (CEO/Admin) and specialized mechanical/electrical engineering contractors.
- **10% Strategic PR:** Milestone-based technical disclosures to drive Seed-round valuation.
- **10% Legal & IP:** Expansion of international PCT filings and utility patent coverage.
- **12% Retroactive R&D:** Settlement of foundational technical debt and early-stage engineering contributions.
- **7% Contingency:** Supply chain buffer and logistical reserves for field deployment.

7. Governance & Exit Strategy

- **Corporate Structure:** The technology is being spun off as a standalone entity.
- **Transparency:** Independent GAAP-compliant accounting and a Board of Directors seat for lead investors.
- **Target Exit:** Strategic acquisition by a Tier-1 Renewable OEM following successful Series A validation.

8. Leadership

Robert Wajda, Lead Inventor & Founder

With over five years of dedicated R&D, Mr. Wajda has engineered a solution to the "intermittency problem" of wind energy. By applying first-principles of physics to mechanical architecture, he has secured a foundational patent that enables higher torque at lower wind speeds, positioned to disrupt the \$100B+ wind energy market.

The Inventor

At his core, Mr. Wajda is a visionary in the renewable energy space, bringing an uncompromising dedication to bringing this vital technology to the world. Where engineers have struggled for over a hundred years to solve basic challenges, he found clarity.

By applying fundamental physics, he secured a masterstroke patent that dismantles not just one, but a complex web of longstanding systemic challenges. That he achieved this monumental engineering feat with minimal resources is a testament to his sheer brilliance and tenacity. This project is on the precipice of changing the industry—and with the introduction of foundational capital, Mr. Wajda is poised to turn this groundbreaking patent into a global reality.

Contact Information

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