

- CONFIDENTIAL -



**OMNIWIND™**  
energy systems



A TILLER GROUP COMPANY

**Wind Turbine Systems**  
*offering*  
**Game Changing Economic Deployment**



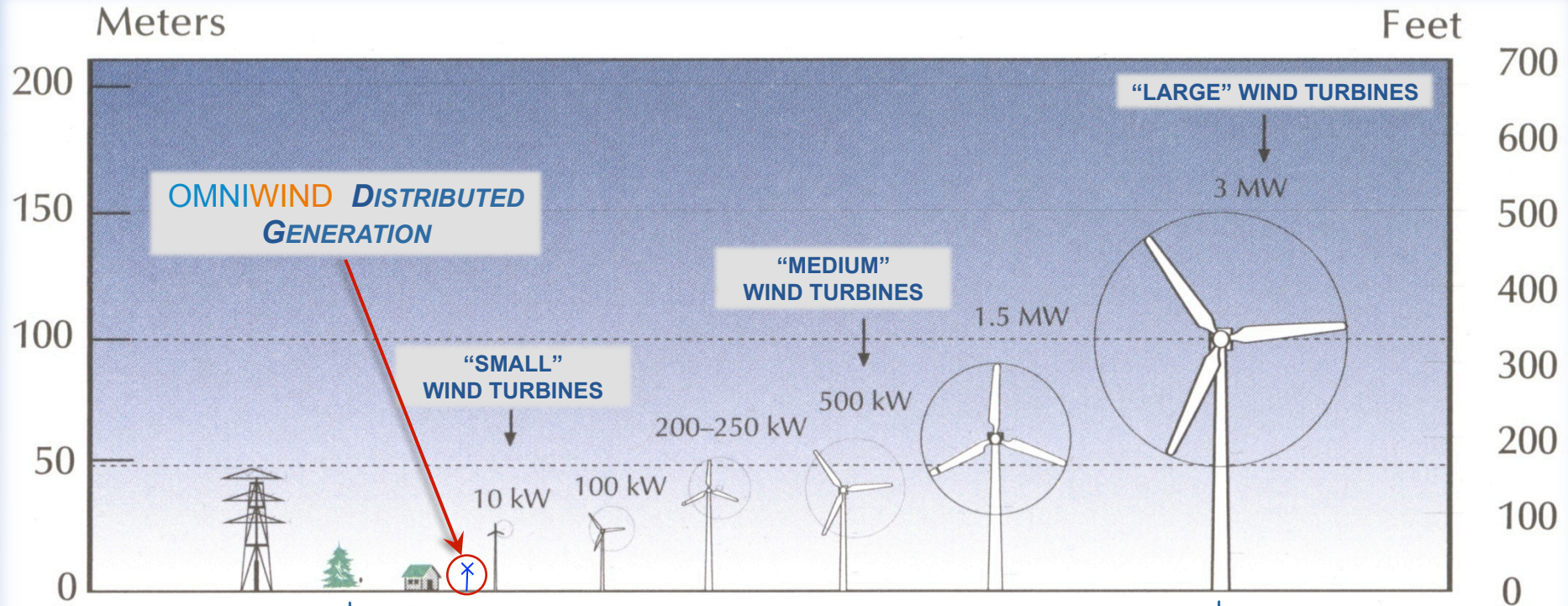
*Tiller International Limited*

## Overview

- 'Small' & 'Community' Wind Sector
- Patented Technology
  - Efficiencies >> Economics
  - Broad placement opportunities
    - Lesser wind resources
    - Tower & building mounted
- Developing Customer Base
  - Commercial, Industrial & Government sectors



# Small & Community Wind

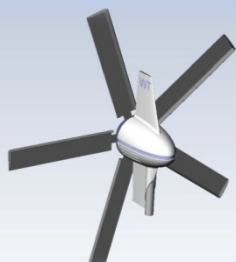


- No transmission lines to deliver power \$\$
- No ongoing line maintenance \$\$
- No additional grid load / intermittent
- Simpler interconnection permitting

- High wind resources
- Remote locations – distant from transmission lines
- Avian / bird concerns mitigated
- No sound from blades
- No FAA issues / flight path
- Reduced / eliminated environmental reviews \$\$

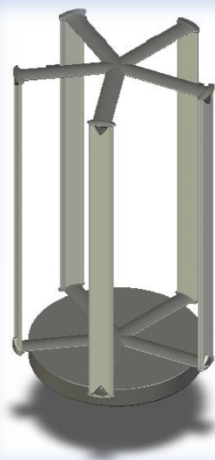


## ***Product families:***



**Horizontal Axis Wind Turbines** (in production)

Industrial / suburban / marine / 3<sup>rd</sup> world applications



Grid-tied & Off-grid

**Vertical Axis Wind Turbines** (under development)

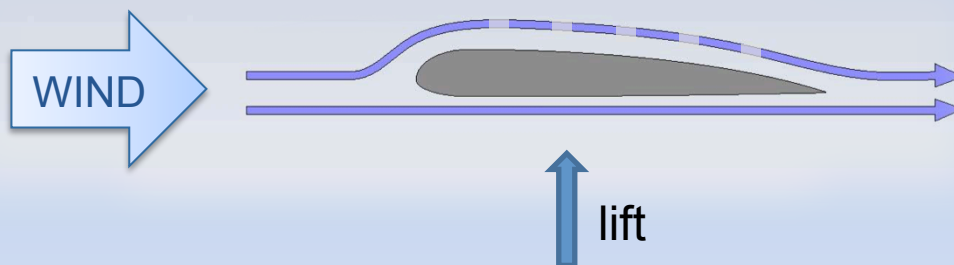
Urban residential / marine / 3<sup>rd</sup> world applications

*Each employs our patented technology*



## *Our patented\* technology & how it works . . .*

**Others:**  
*Bernoulli*



**OmniWinD's:**  
*Newtonian*



60% greater lift\*\*

6–15 ft.  
Diameter



\* 5 Patents secured – additional patents pending

\*\* Independently tested – verifiable results

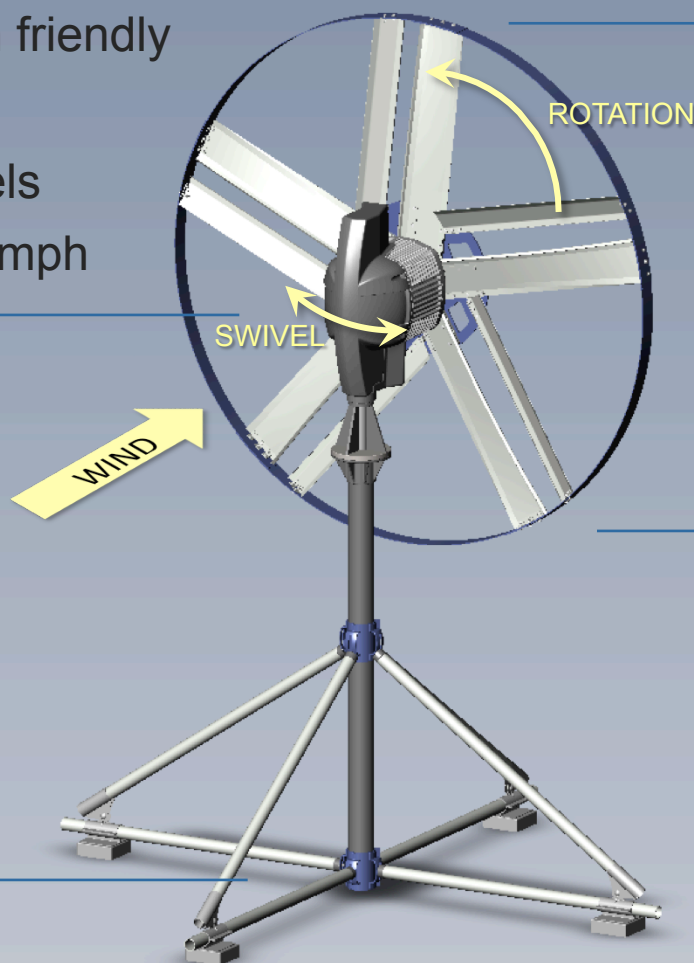
## **PROWIND 650**

### **2 kW AC Grid-Tied – 2.5 kW DC Non-Grid System**

*(Building Mounted Model Shown)*

- Environmental / avian friendly
- Silent operation
- Fits within solar panels
- Useable energy in 5 mph winds

**8' high**



**6.5' dia.** – indicates model number  
650 = 6.5 feet dia. (1.2 Meters)  
800 = 8.0 feet dia. (2.4 Meters)

- Captures wind from any direction
- Operates 24 / 7 / 365 in all weather conditions
- Optional wireless monitoring
- Complete turnkey system

# OmniWind Turbine Configurations

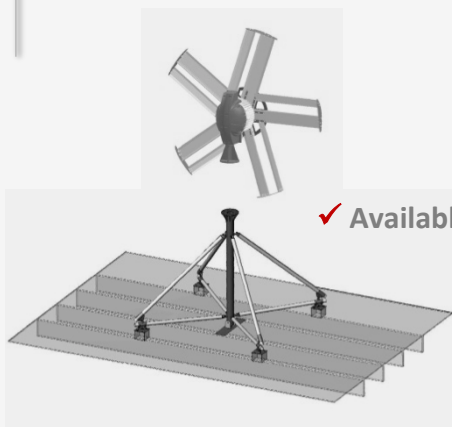
*Same Turbine Head – Applications Dictate Mounting Configurations and Propeller Size*

**PROWIND 800\*** ◦ 8 feet diameter ◦ 2,000 W AC ◦ 2,500 W DC

\*Larger models in development

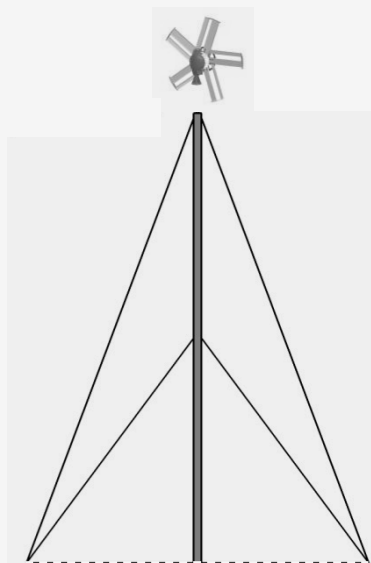
**PROWIND 650**

- 6.5 feet diameter
- 2,000 W AC
- 2,500 W DC

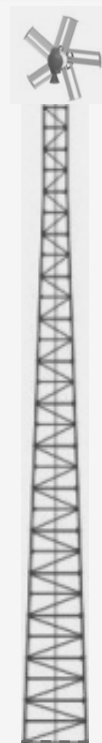


✓ Available

**Building Mount**  
Rooftop OR Sidewall  
(8 ft plus building height)



**Tilt-Up Guyed Towers**  
(35 ft - 100 ft)



**Lattice Towers**  
(60 ft - 160 ft)



✓ Available

**Monopole Towers  
Hydraulic Tilt-Up**  
(35 ft - 60 ft)

**Lower  
Capital Installation**



**Higher  
Capital Installation**

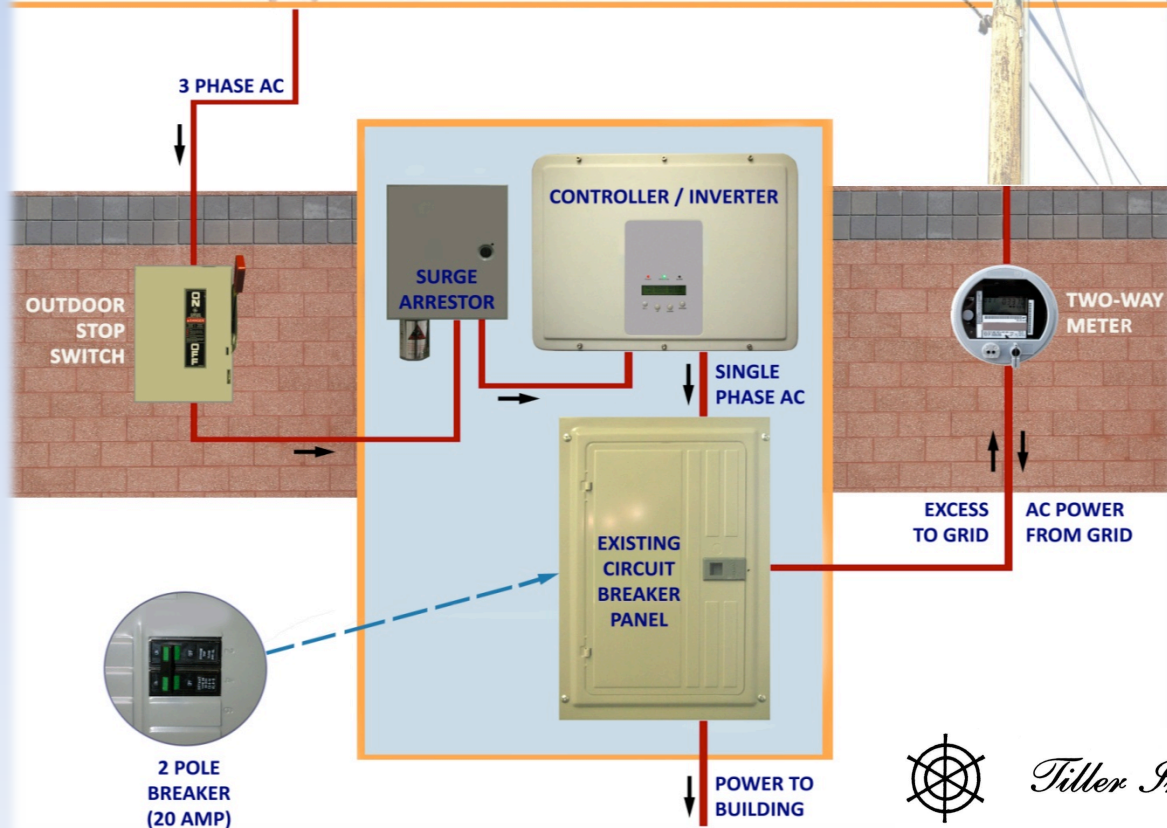


*Simple to install . . .*

**OMNIWIND™**  
energy systems

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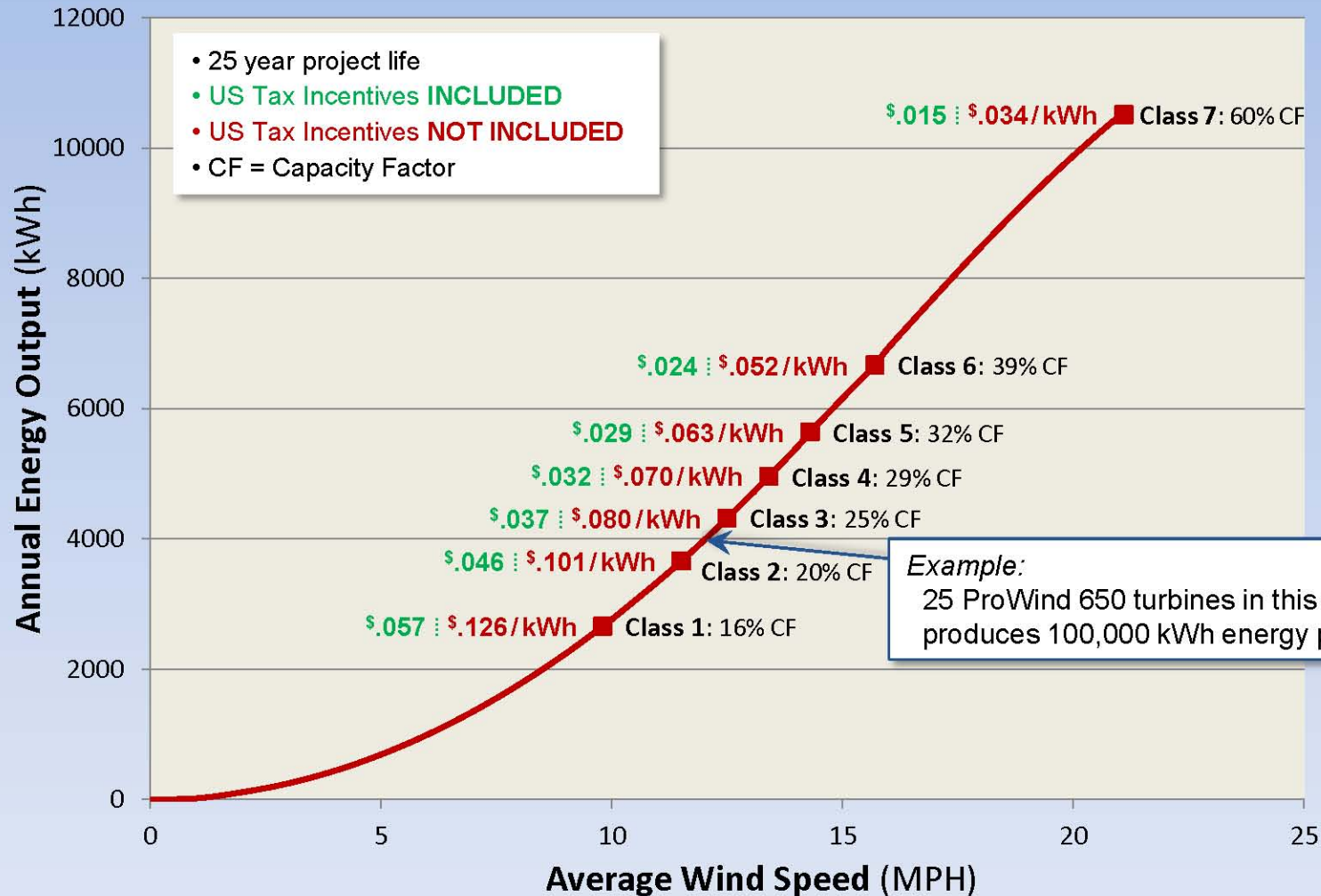
**GRID-TIED  
AC POWER  
SYSTEMS**



*Tiller International Limited*

# PROWIND 650

## Cost of Energy Production vs. Wind Resources





# ***Deployment of Installed Systems***

## ***Walmart Installations:\****

- Arkansas – *completed 8/2010 (pilot)*
- Kansas – *completed 2/2012 (8)*
- New Jersey – *2 stores underway (20)*
- Pennsylvania – *1 store (20) & 1 DC underway (20)*
- New York – *2013 / 14*
- Massachusetts – *2014*
- Puerto Rico – *2014*

## ***Other Installations:***

- Pennsylvania – *municipalities / private (4)*
- New Jersey – *municipalities / private (1.8 mio contracted)*



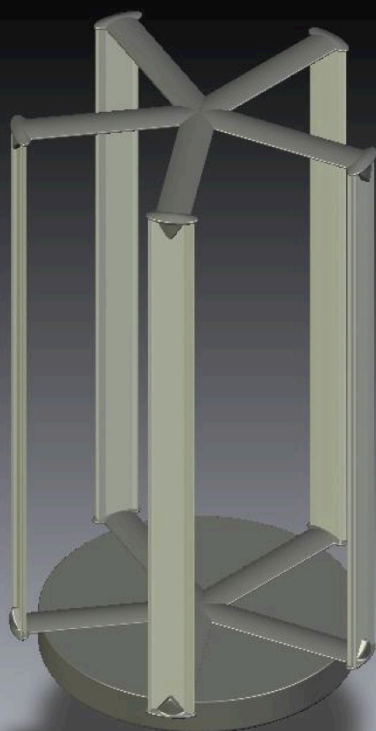
***\* Over 30 stores are scheduled for next year***



## **2<sup>nd</sup> Product Family: Vertical Axis Wind Turbines** *Urban Households / Dwellings (115 VAC)*

**Target: 2 kW rating**

← 1'-4' dia. →

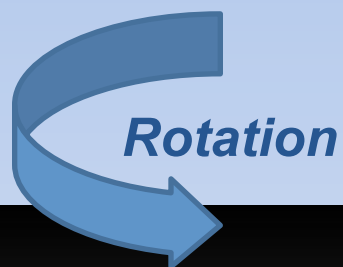


↑  
2'-8'  
height  
↓

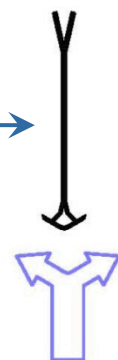
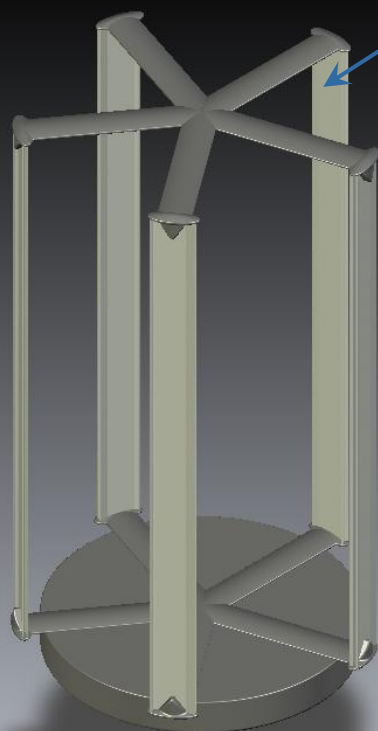




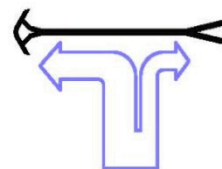
## How it works ...



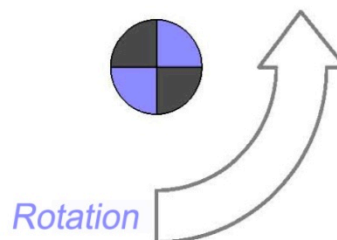
**Vane**



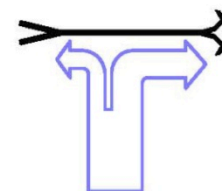
**PHASE 4**



**PHASE 3**



*Rotation*



**PHASE 1**



**PHASE 2**





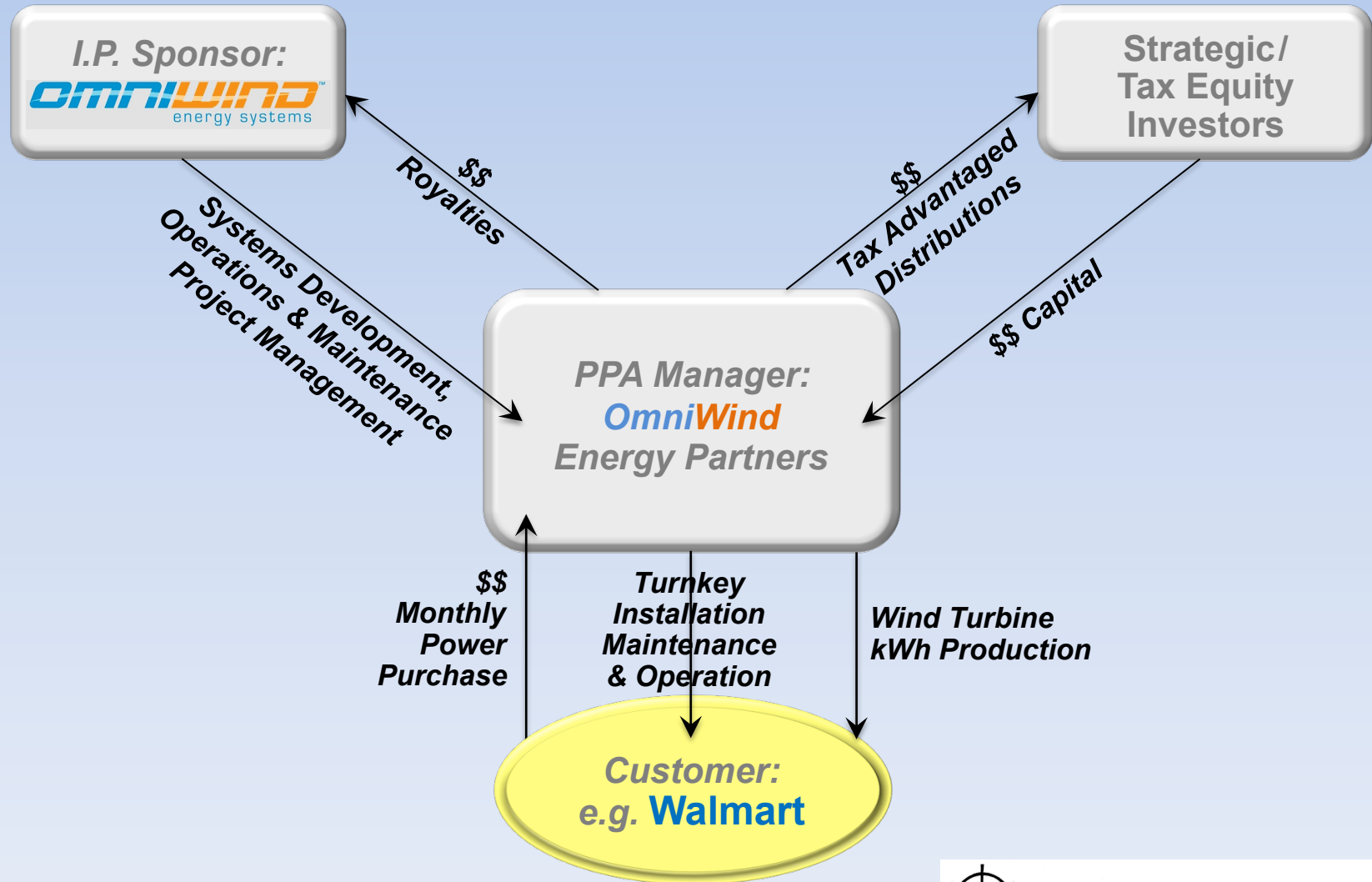
# Distribution Channels





# Investment & Business Model Structure

## PPA Distribution Channel



## **Power Purchase Agreement – Benefits to Participants**

- ***End User/ Customer***
  - No capital outlay
  - Helps achieve corporate commitment to “sustainability”
  - Future hedge against electricity price increases
- ***PPA Manager***
  - Low risk / high return from:
    - Long term PPA revenue with primarily indexed power pricing and sale of RECs
    - Use of state and federal renewable/alternative energy incentives to reduce initial capital investment
    - Accelerated depreciation to hasten returns
  - Future roll on PPA term(s)
- ***OmniWind***
  - Pure I.P. development company with substantial Royalty income
  - Channel for high volume wind turbine equipment sales / deployment
  - Accelerated sales cycle time
  - No sales overhead and very reduced operations overhead vs. other business models

# **Manufacturing**

## **– Key Contract Manufacturers –**

### **ALL DOMESTIC with SCALABLE CAPACITY**

- ***Bulk Metalworking***

- **Ashland Technologies, Inc.**, Hegins, PA: [www.ash-tec.com](http://www.ash-tec.com)
  - INC. Magazine 500 | 5000:
    - #1 Fastest Growing PA Manufacturer
    - #55 Fastest Growing US Manufacturer

- ***Electrical, Generator, Final Assembly, QA***

- **EF Precision Group**, Willow Grove, PA: [www.efgroup.com](http://www.efgroup.com)
  - Highly flexible, quality, precision (ISO 9001, CCR Registered, NAICS)
  - SmartCEO Magazine: Future 50 (2012)

- ***Software, Electrical Hardware Engineering***

- **Computer Software Inc.**, Chalfont, PA: [www.computersoftwareinc.com](http://www.computersoftwareinc.com)
  - Over 30 years of systems hardware and software solutions
  - 24/7/365 turbine monitoring and automated energy generation billing

- ***Generator Coils & Stator***

- **Stonite Coil Corp.**, Yardville, NJ: [www.stonitecoil.com](http://www.stonitecoil.com)
  - Custom coils since 1950

***From 2014, all manufacturing will be transferred to Tiller owned facilities due to come online Q2 2014***