Small Wind Turbines Today

• Testing & Certification
  SWCC Weeding Out the Crap

• More Productive
  High-Performance Generators

• More Durable

• More Swept Area

• . . . More Profitable

Paul Gipe, wind-works.org

2013, Jonica Impianti
Cooperativo, Puglia, Italy
Improved Performance

• With New Turbines
• New Generators

Paul Gipe, wind-works.org
~ 50% Performance Improvement

Annual Specific Yield @ 6 m/s Average Annual Wind Speed

Old Designs: 400
New Designs: 570

Paul Gipe, wind-works.org
Improved Durability

- Air Breeze 12/2007-4/2017
- ~10 Years Unattended
Small wind small player in worldwide wind energy market.
Articles on Small & Household Size Wind Turbines

Small wind turbines encompass a broad range of wind turbines from micro turbines, to mini turbines, to household-size turbines. Wind turbines in these size classes may have power ratings from a few watts to dozens of kW. Internationally, this category includes wind turbines up to 15 meters (49 feet) in diameter. Wind turbines of this size may have power ratings from 50 to 100 kW.

While ducted or shrouded wind turbines and Vertical Axis Wind Turbines can be of any size, they are listed here because they are outside the mainstream of the commercial wind industry.

Small Wind Conference Chooses Gipe for Keynote Speaker

March 10, 2017,

The Small Wind Conference has chosen Paul Gipe as its keynote speaker for its 2017 conference in Minneapolis, Minnesota. Calling Gipe "legendary" for his four decades writing about wind energy, the...  

Endurance Wind Power bankruptcy spreads to UK

December 9, 2016,  by Nelson Bennett

Endurance Wind Power filed for bankruptcy sometime around early November and placed under trust with Grant Thorton, after its bank called in its loan.
Small Wind on Wind-Works.org

SMALL WIND TURBINES
- Ducted Wind Turbines
- FITs for Small Wind
- LEED Leads to Bad Wind
- Questionable Concepts
- Rooftop and Urban Wind
- Small Turbine Testing
- Vertical Axis Wind Turbines
- Worst Install in History

SMALL WIND TURBINES
- Ducted Wind Turbines
  - Elena Energie
  - FloDesign-Ogin
  - Windtamer
  - Sheerwind-Invelox
  - Vortec

Rooftop and Urban Wind
- Cleanfield
- Honeywell Windtronics
- Mag-Wind
- Renewable Devices Swift

Small Turbine Testing
- Wulf Test Field
- Small Turbine Product Reviews

Vertical Axis Wind Turbines
- FloWind
- Mag-Wind
- Mariah Windspire
- Cleanfield
- Worst Install in History

Paul Gipe, wind-works.org