

## You have many needs and we have many solutions

Zytech Solar is a **Manufacturer** of PV modules and other appliances, and devices that garner and harness the sun's energy using the most advanced technological solutions. Main product categories lie in the domains of **Photovoltaics, Concentrated Photovoltaics (CPV) and Off-Grid Photovoltaic Systems.**

The compass and mandate of Zytech Group covers Renewable Energy and its subsidiaries manufacture associated products and serve markets around the world, in each continent.

Key competencies of Zytech lie in the **development, design, manufacture and marketing** of high quality solar energy products.



### Photovoltaic Modules

Zytech Solar modules **are manufactured** at the company's own 100% assembly lines and associated facilities in full compliance with the most stringent quality standards.

These modules, produced in a wide range spanning **40 watt to 270 watt** output power, pass through the strictest of manufacturing process controls.



### Off-Grid Solar & Hybrid Systems

Zytech Off-Grid Solar Power Systems are now offered in kits. These high-quality kits come with **solar panels, solar inverters, and batteries** designed for use with solar energy purposes plus many ancillary solar powered electrical accessories.

Zytech produces highly sophisticated and customized solutions for use in larger industrial systems besides low-cost off-grid systems catering to all kinds of projects in rural settings.



### Low Concentrated PV system (LCPV)

The system that Zytech manufactures at the moment is a Low Concentrated Photovoltaic system (LCPV), consisting of a two-axis tracking system fitted with C-Si modules in a construction that uses the highly efficient solar cells in conjunction with mirrors fixed to both sides.



### Solar Thermal Systems

Zytech Solar produces a **wide range of efficient and reliable types of solar collectors** that can completely satisfy the need for Sanitary Hot Water (SHW).

This is accomplished by means of systems as simple as they are efficient. Designs are used incorporating solar thermal systems with **Flat Plate Collectors and Evacuated Tube Collectors.**



The **Lakota & Long-Bow** wind turbines the highest in quality and performance in the industry.

## SMALL WIND TURBINE MANUFACTURER

with Aerospace Grade Materials and Technology

Zytech Aerodyne is one of the world's leading manufacturers providing state-of-the-art small wind power systems with advanced aerospace-grade materials and technology since 1992 in U.S.

Our robust small wind turbines, **Lakota and Long-Bow** are designed to work safely, reliably and efficiently anywhere in the world.

Zytech Aerodyne has experienced and built up a global reputation for robust small wind power systems. With over 2000 small wind turbines installed worldwide, we produce the present-day **Lakota, Lakota Marine, Lakota M1 and Long-Bow**.

## Revolution in the wind...

[www.revolutioninthewind.com](http://www.revolutioninthewind.com)

Turbine type	LAKOTA 900 W	LONG-BOW 1KW
Rated Power (watts)	900	1000
Start-up Wind Speed	6 mph (2.7m/s)	6 mph (2.7m/s)
Rated Wind Speed	28 mph	18 mph
Peak Power	1600	1800
Rotor Diameter	2.1 m	2.3 m
Swep Area	3.46 m <sup>2</sup>	4.15 m <sup>2</sup>
Weight	18 kg (39 pounds)	21.3 kg (47 pounds)
Voltage	12, 24 & 48 V	12, 24 & 48 V
Alternator	3 Phase AC Brushless Perm. Magnet	3 Phase AC Brushless Perm. Magnet
Application	Battery or Grid	Battery or Grid
Warranty	2 years	2 years

### Target Markets

- Urban and remote residentials
- Small business/manufacturing
- Rural electrification
- Water pumping
- Military
- Marine/sailboats
- Monitoring sites
- Telecommunications

### Small wind turbines with carbon fiber blades



[www.zytechsolar.com](http://www.zytechsolar.com)  
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Please contact us to see how we can develop solar and wind energy solutions for you.

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