

EVEREADY profile



Batteries



Eveready factory at Port Elizabeth, South Africa



Energy Saving Lamps



KESTREL Small Wind Turbines

Established in 1937, and an independent South African company since 2003, EVEREADY has embraced growth by offering high quality products as core objective. To date, this has led to expansion of company from BATTERIES to a full range of LIGHTING products, KESTREL Brand of Small Wind Turbines and HOUSE OF YORK's household products.

Our diverse range of technologies are designed and manufactured at our ISO accredited world class factory in PORT ELIZABETH of SOUTH AFRICA.

EVEREADY of SOUTH AFRICA is a unique organization which is driven by constant innovation, passion for offering best in class products to our customers, environmental consciousness, strong business values and ethics and have been recognized several times among "Best companies to work for" in South Africa .

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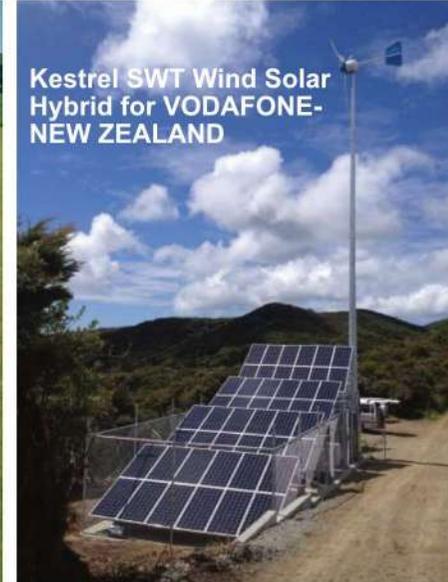
SMALL WIND TURBINE - LARGE ELECTRICITY OUTPUT - VERSATILE APPLICATIONS



Kestrel SWT - Versatile installation options



Kestrel SWT Mini-Grid Solution for isolated community



Kestrel SWT Wind Solar Hybrid for VODAFONE-NEW ZEALAND



Kestrel SWT -extreme hot & abrasive desert weather solution

NAMIBIA



Kestrel SWT - extreme cold and windy sitesolution

ICELAND



Kestrel SWT Grid-Connected reverse metering solution for factory



Kestrel SWT based water pumping solution



Kestrel low maintenance turbines for remote locations



Kestrel SWT Very Low foot-space requirements and easy installations in difficult locations



Kestrel SWT Grid-Connected - TEXAS, USA



Kestrel SWT - Easy ground level maintenance



Kestrel SWT for telecom -UK



KESTREL - WIND SOLAR HYBRID



Kestrel SWT - Light and Versatile

KESTREL SMALL WIND TURBINE - APPLICATIONS LIMITED BY IMAGINATION

Telecom Tower application

Large Scale electricity generation

Reliable availability of electricity in locales of no grid or unreliable grid

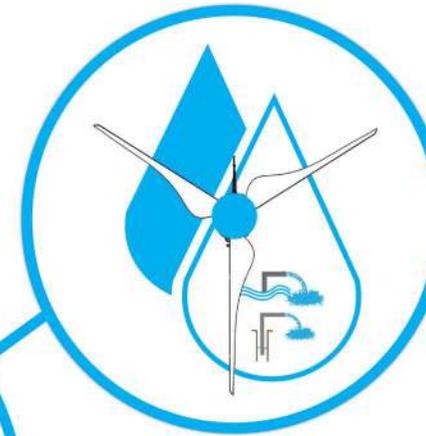
Reducing electricity expense using two-way metering

Powering ETP / STP / De-salination plants

Irrigation of farmlands

Community water availability

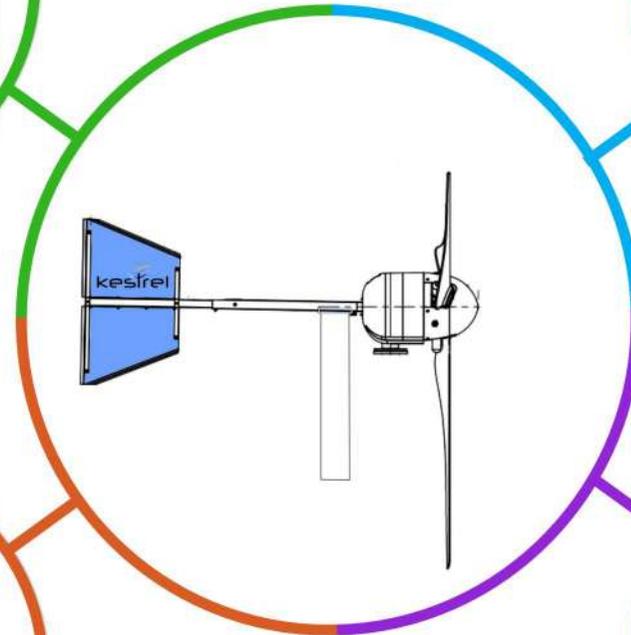
Large Scale Electricity Generation from Windy Hilly locations where Large Wind Turbines' installation and operation feasibility is challenging



KESTREL Wind / Wind-Solar Hybrid water pumping solutions for farms, community water needs, rain-water harvesting and other small or large water pumping needs



Grid assisted or Grid Isolated Wind or Wind-Solar Hybrid Micro-grids for locales where Grid is unreliable or not available



Several other applications where renewable energy is used to power Telecom Towers, community STP Plants, desalination plants etc.

KESTREL SMALL WIND TURBINE - HIGH CAPACITY UTILIZATION IN HIGH SPEED GUST SITES (BENEFIT OF KESTREL'S PATENTED MECHANISM)

Gust Speeds

70m/s

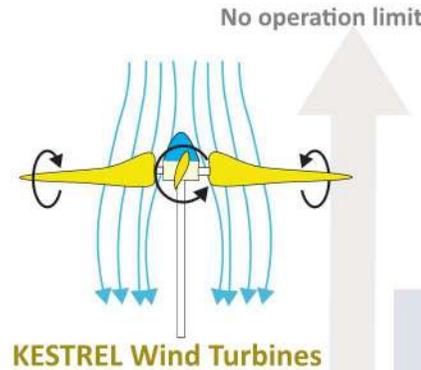
3m/s



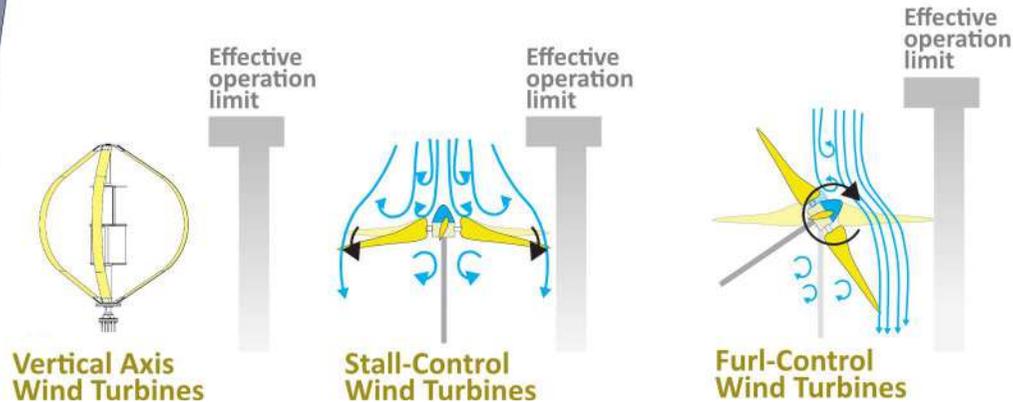
Since the power available from wind gusts is proportional to the cube of the gust speed (i.e., Wind Power \propto Gust Speed³), even a small increase in gust speed results in a substantial rise in available energy. In fact, doubling the gust speed increases the wind power potential by a factor of eight.

This makes the ability to harness energy from high-speed gusts a critical factor in wind turbine performance. However, most conventional wind turbines significantly reduce their operational efficiency once medium-duration gusts exceed 15–20 m/s. As a result, they fail to capture the abundant power present in high-gust-speed locations, leading to **low capacity utilization in high gust speed sites**.

In contrast, **KESTREL Wind Turbines**, equipped with a patented mechanism, operate without such cut-off limits for gust speeds. This enables them to maintain **consistently high capacity utilization even in regions with strong and frequent wind gusts**.



Typical Generation vs Wind Speed Graph for KESTREL e400n



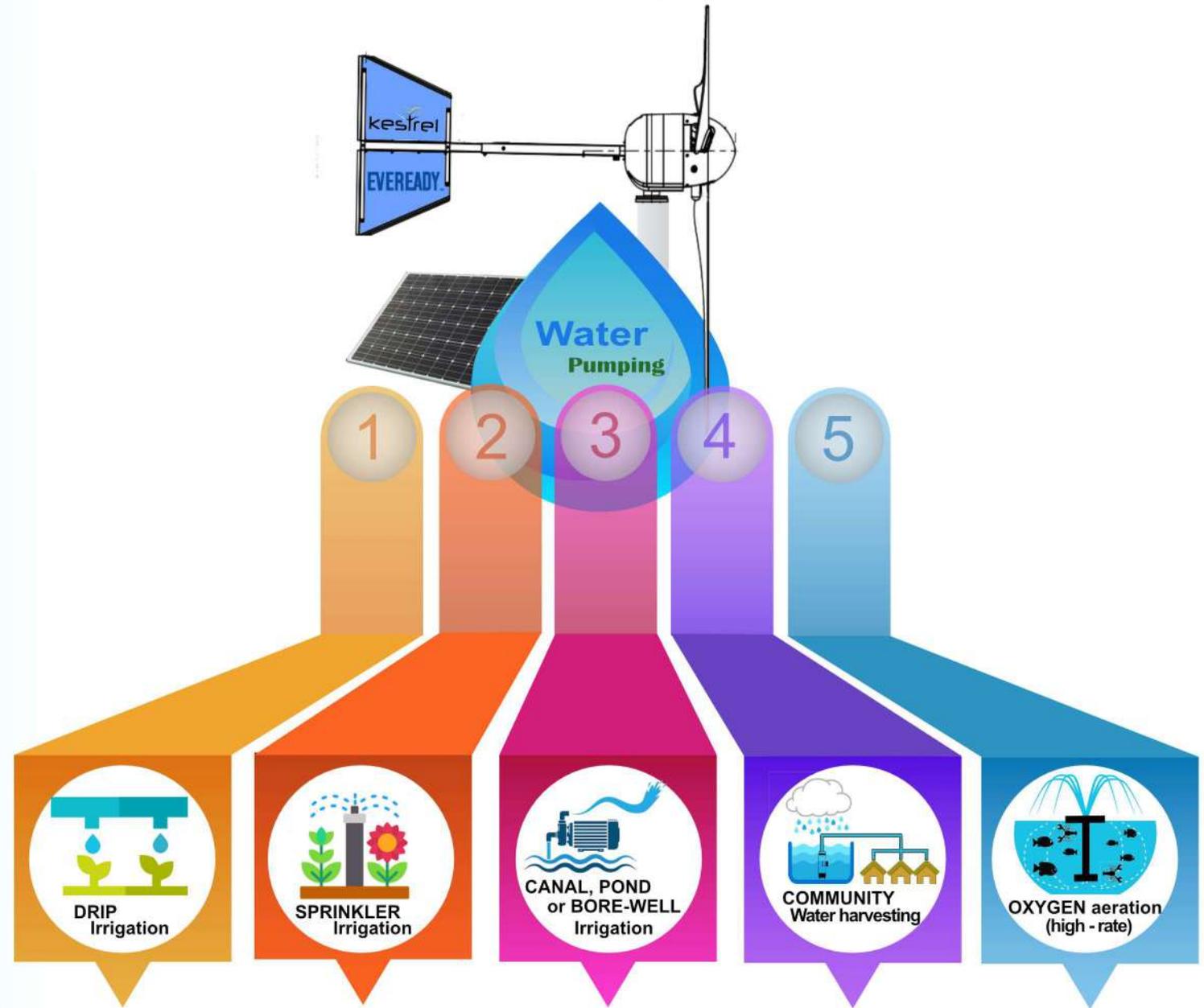
Advantage of KESTREL's wind-solar hybrid water pumping for rural community

High pressure (higher head) water pumping compared to only solar

Day & Night operation - reliable water delivery

Class-I design wind turbines - High operational availability

High volume water delivery compared to only Solar



Reliable availability of high volume electricity for :

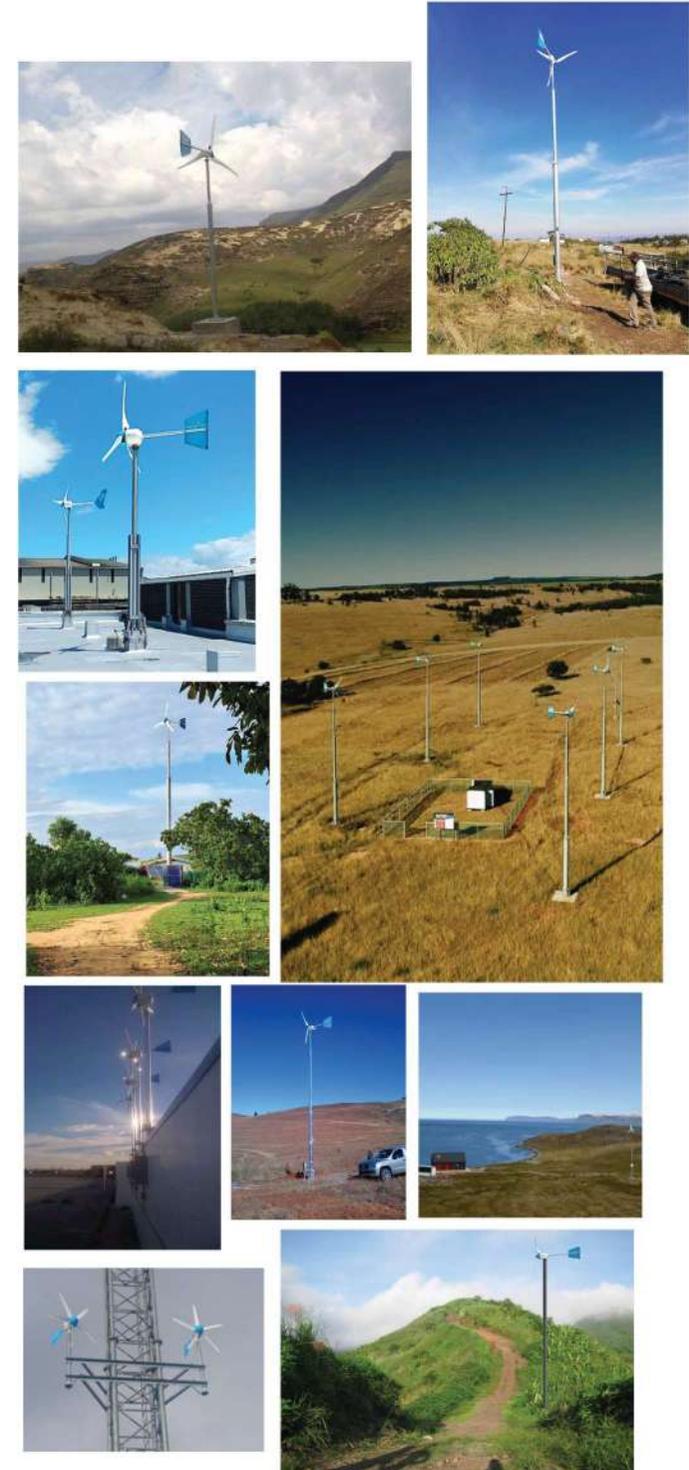
High water efficiency with fertilizer dozing for agriculture and horticulture

Large scale water availability with grid interactivity

Rain water harvesting

Fish pond aeration

A QUICK LOOK AT OTHER ADVANTAGES OF KESTREL SMALL WIND TURBINES



KESTREL

Small Wind Turbines

but

Large Electricity Generation

"EVEREADY HAS A STRONG PROBLEM SOLVING APPROACH AND WOULD BE MOST HAPPY TO WORK WITH POTENTIAL CLIENTS FOR CREATING SUCCESSFUL WIND ENERGY BASED ELECTRICITY GENERATION, WATER PUMPING OR ANY CREATIVE WIND ENERGY APPLICATION SYSTEM"

Thank You for kind attention

