



INDIA'S

FIRST COMPACT &
PORTABLE WIND
TURBINE
MANUFACTURER



SUNWIND INNOVATIVE

INNOVATION IS MORE THAN INVENTION; IT IS THE ART OF ADDRESSING THE RIGHT CHALLENGES FOR THE RIGHT COMMUNITIES."

DUNGAR SINGH SODHA, **Founder & Innovator**

EMERGING FROM THE WINDSWEPT DESERT OF BARMAR TO THE VIBRANT INDUSTRIAL HUBS OF SURAT, SUNWIND'S INCEPTION WAS DRIVEN BY A CRITICAL NEED.

WE WANT TO PROVIDE POWER IN AREAS BEYOND CONVENTIONAL GRID ACCESS.





AS INDIA'S FOREMOST INNOVATOR IN PORTABLE, ULTRA-LOW RPM VERTICAL AXIS WIND TURBINES, WE ARE NOT SIMPLY CRAFTING MACHINERY, BUT WE ARE CHAMPIONING THE FREEDOM OF ENERGY.






OUR VISION

To establish India as a global frontrunner in decentralized wind energy by designing highly effective, expandable and versatile solutions that harness even the lightest wind across varied terrains

OUR MISSION

-  Our Mission is to facilitate widespread adoption of wind energy across villages, rooftops, and remote regions
-  Curtail reliance on diesel generators and expensive solar alternatives for off-grid power needs.
-  We are here to deliver, clean, zero-emission energy to support agriculture, water management, residential and commercial applications
-  Our goal is to promote rural employment and advance indigenous manufacturing under the Make in India initiative.

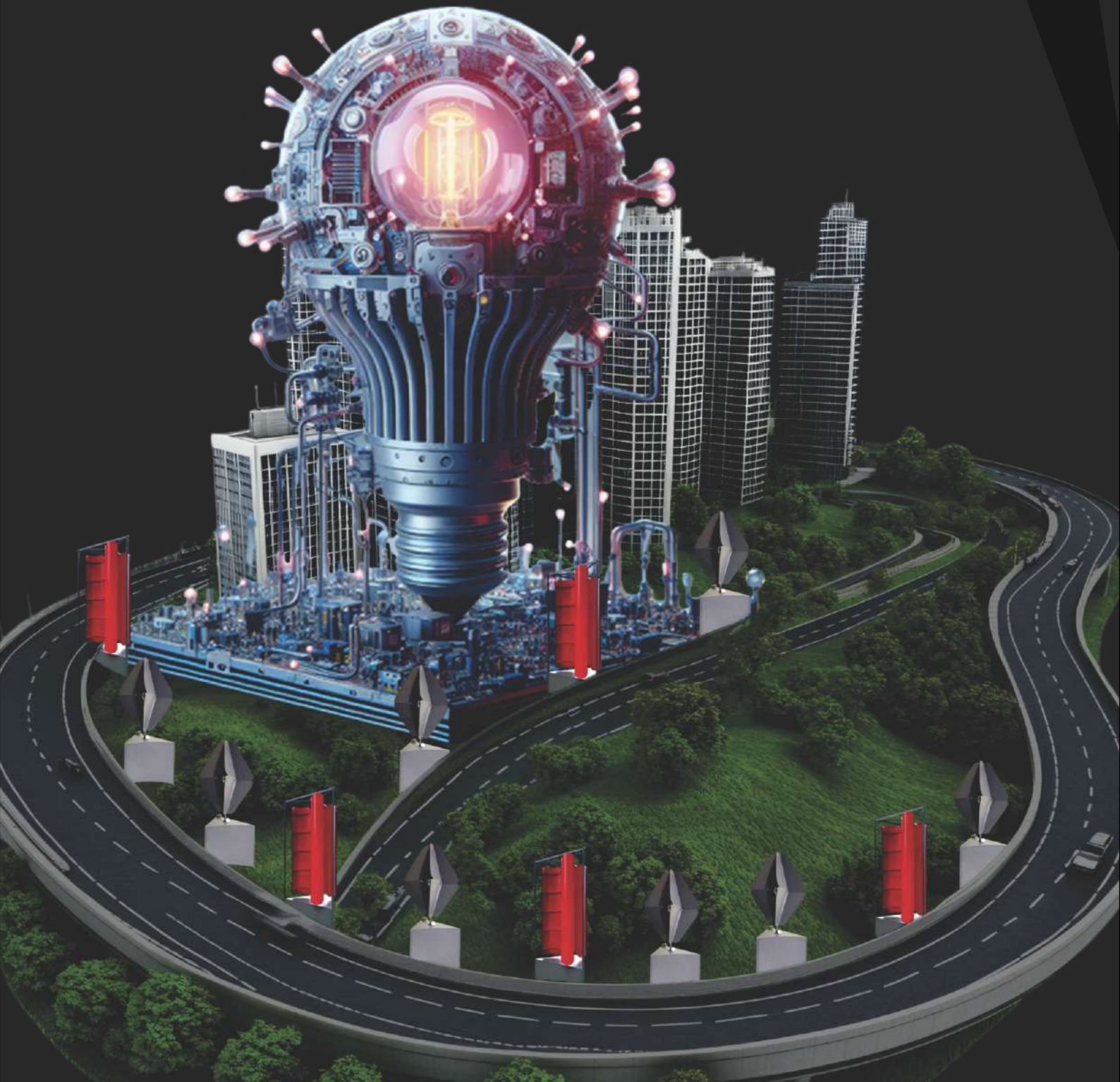
INNOVATION ZONE

-  Sunwind leads as the India's first company to produce portable vertical axis wind turbines designed specifically for low wind speed environments
-  Our turbine features an advance self-start mechanism that requires minimal wind of 1.5 m/s.
-  They offer full compatibility with solar panels and battery storage enabling integrated clean energy solutions



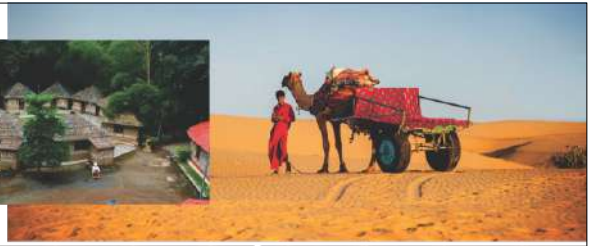
RECOGNITION & IMPACT

- Sunwind has earned recognition from Startup India and has successfully completed pilot installations accross Gujarat, Rajasthan, Maharashtra, Tamilnadu, The Andaman Islands, African & Gulf Countries
- We have gained the trust of NGO's , Gram Panchayat, Farmers, Eco-Resorts.
- Our company has also collaborated with the leading green innovators nationwide and has been prominently featured in national media for our impactful innovations.



TARGET SEGMENTS

Our main target segments include Government-led rural electrification programs, Eco-resorts, homestays, and desert tourism



- Our turbine also supports Border security forces and remote outposts
- We cater to Organic farming, hydroponics, and agri-entrepreneurs.

We provide reliable hybrid energy solutions for NGO's, telecom towers, cold storage units, and off-grid villages in remote and underserved areas



"Global Hybrid Upgrade for Ageing Solar Parks" Across the world, thousands of 8-10 year-old solar parks face declining output and lack of spare land. By adding Sunwind's compact wind turbines, you can hybridize without shifting panels or acquiring new land. With fast DC/AC coupling, policy compliance, higher CUF, and extended generation during evenings, nights, and cloudy days—Sunwind powers up your plant again.

OUR VARIED PRODUCTS

- ✦ AURA SERIES – VERTICAL AXIS WIND TURBINE (VAWT)
- ✦ FLOWER TURBINE – URBAN AESTHETIC WIND TURBINE
- ✦ TRAFLO MAX – HIGHWAY WIND TURBINE
- ✦ HYBRID TURBINE- SOLAR WIND HYBRID SYSTEM
- ✦ HORIZON – HORIZONTAL AXIS WIND TURBINE (HAWT)

FLOWER TURBINE AESTHETIC URBAN WIND SOLUTION

WHERE ELEGANCE MEETS EFFICIENCY,
INSPIRED BY NATURE.

✦ Distinctive 4-blade design inspired by organic, floral forms.

✦ Crafted from lightweight, corrosion-resistant aluminum alloy for long-lasting performance

✦ Power output range: 0.1 kW to 5 kW.

✦ Ideal for parks, botanical gardens, waterfronts, nature trails, eco-resorts, and other scenic urban spaces

✦ Silent operation ensures harmony with surrounding nature and community

✦ Available in customizable colors to blend beautifully with natural and architectural environments



AURA SERIES – VERTICAL AXIS WIND TURBINE (VAWT)

ENERGY MADE SIMPLE, POWER MADE RELIABLE.

- ✦ It is a compact wind turbine made for your low wind-speed regions
- ✦ It serves power between 0.1W to 5kW.
- ✦ It delivers in 24V/48V DC & 220 V AC options
- ✦ It starts spinning with just a 1.5 m/s breeze
- ✦ It quietly whispers with a weather-proof design
- ✦ It is great choice for the rooftops, farms and telecom towers as well



TRAFLO MAX – HIGHWAY WIND TURBINE

HARNESSING MOTION. DELIVERING ENERGY.

It Utilizes wind generated by moving vehicles to produce electricity

These are designed for highways, medians, toll plazas, and express corridors

They generate between 0.1KW to 10KW per unit

Heavy-duty rotor stores wind energy for continuous performance

They have integrated flywheel technology ensures stable, 24/7 operation



HYBRID TURBINE- SOLAR WIND HYBRID SYSTEM

These solar systems utilizes both wind and solar energy in a complementary manner, making them ideal for sunny and breezy environments.

This compact and affordable solution combines the benefits of both energy sources, giving you the best of both worlds.

THE MAIN ADVANTAGES ARE AS FOLLOWS

- Optimized Energy Production during day & night.
- Seasonal optimized production
- Enhances System Reliability.

WE CAN SUPPLY

- On-grid systems
- Off-grid systems



HORIZON – HORIZONTAL AXIS WIND TURBINE (HAWT)

BREEZY PERFORMANCE. FULL-PLATE POWER.



- Built to serve continuous energy in wind-rich zones
- Serves between 1kW to 10kW power output
- They come in 2 or 3-blade aerodynamic varieties
- Optional tail-vane keeps it facing the wind like a chef to the flame
- These are best for open spaces, coastal farms or hybrid energy recipes

WHY SUNWIND?

HOMEGROWN ENERGY SERVED WITH INNOVATION.



- ✧ This is India's first compact wind turbine kitchen designed specially for low-wind-speed climates
- ✧ These are rigorously Field-tested across Gujarat, Rajasthan, Maharashtra, Tamilnadu The Andaman Islands, African & Gulf Countries
- ✧ We offer tailored solutions for rural, urban, highway, and industrial settings. Hybrid with solar off grid and on grid
- ✧ Our in-house R&D relentlessly innovates to deliver unmatched performance and reliability
- ✧ We provide Round-the-clock support and on-site service on the menu

- ✧ All our wind turbine models — AURA Series (Vertical Axis Wind Turbine - VAWT), Flower Turbine (Aesthetic Urban Wind Solution), TRAFLO MAX (Highway Wind Turbine), Water Windmill, and HORIZON (Horizontal Axis Wind Turbine - HAWT) — are compatible with both wind and water applications



➤ Affordable portable wind mill

<https://www.facebook.com/share/v/15E6p67f7wV/?mibextid=wwXlfr>



➤ Tired of power cuts, barmer's dungar singh built a 50,000 portable windmill that slashes your electricity bill to zero—for 20 years!

<https://www.facebook.com/share/r/1Cnoa7sExk/?mibextid=wwXlfr>



➤ नए आइडिया से बनी सबसे छोटी पवन चक्की

https://youtu.be/91MkBk59_7k?si=ZyJTFGpNPot3yMMW



➤ Your personal breeze-to-energy machine

<https://www.youtube.com/watch?v=x-wXFCgNqfc>



➤ From scrap to spark – powering dreams in barmer.”

<https://www.youtube.com/shorts/giX0ZEHXaUM>



✉ marketing.sunwind@gmail.com

☎ +91 98987 36873 | +91 91737 36873

SUNWIND HEAD OFFICE

📍 G-20, E-Space, Nr. Sham Baba Temple, VIP Road, Vesu, Surat, Gujarat - India