



# INDIA'S

## FIRST COMPACT & PORTABLE WIND TURBINE MANUFACTURER

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

# 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.

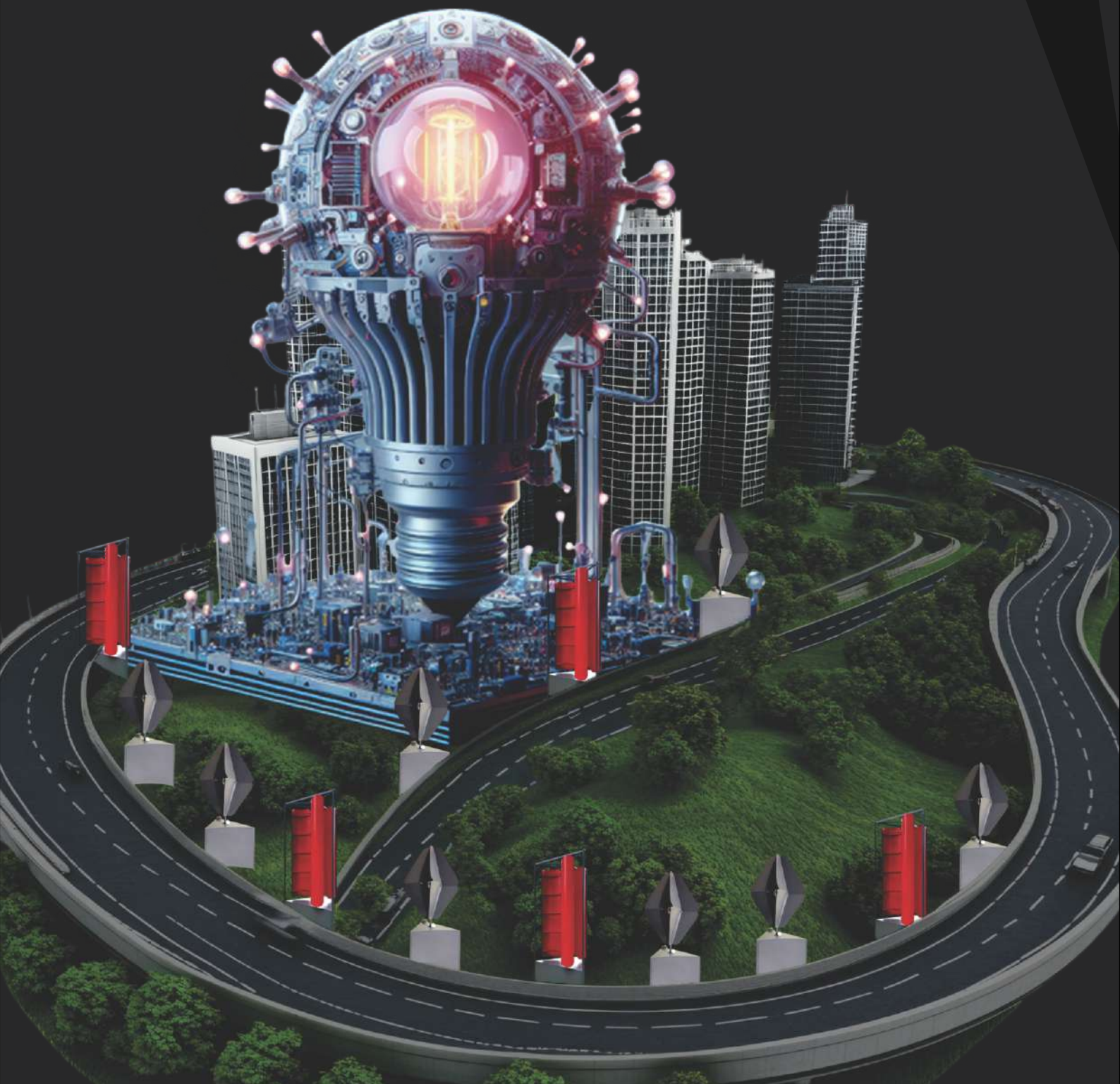
# INNOVATION ZONE

-  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



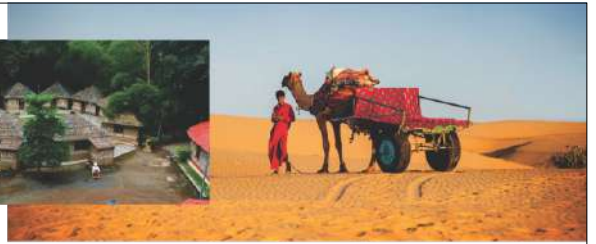
# RECOGNITION & IMPACT

- 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.

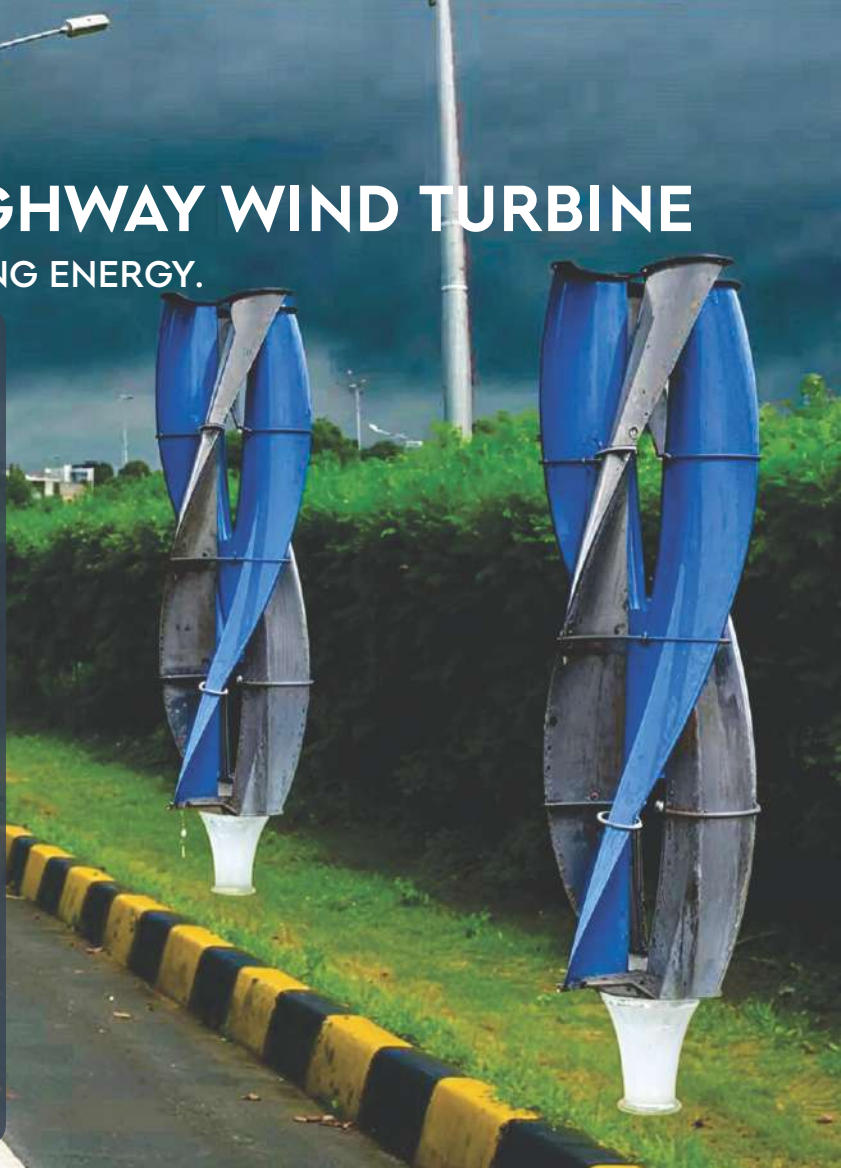
- ✦ It Utilizes wind generated by moving vehicles to produce electricity

- ✦ 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=wwXIfr>



➤ 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=wwXIfr>



➤ नए आइडिया से बनी सबसे छोटी पवन चक्की

[https://youtu.be/91MkBk59\\_7k?si=ZyJTFGpNPot3yMMW](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>



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