

AirPlus

A Revolution in Wind Energy

Clean. Scalable. **Independent.**

AirPlus is revolutionising the way we capture and use wind energy with their unique patented design.

This revolutionary product harnesses the power of the wind to generate clean, renewable energy with unparalleled efficiency.

This **Patented Technology** is changing renewable wind energy as we know it!

We are transforming wind energy with a patented designs that break away from traditional, unsightly wind farms and space taking solar panels.

As energy demand surges and the climate crisis intensifies, this technology offers a scalable, smart solution built for the cities and countries of tomorrow.

It is not just about energy, it is about ownership, independence and leading the charge into a new era of renewable power.

Unlike conventional turbines simply shrunk for smaller spaces, our reimagined designs support multiple generators and maximise output at point of use.

We currently have 3 products supporting renewable energy through wind and water-to-power generation, designed for the following applications:

Patent 1 – Xeva: Static locations (Patented)

Patent 2 – Xkorost: Mobile units (Patent Filed & Pending)

Patent 3 – Xyqua: Water/Hydro (Patent to be Filed)

Please note that this document relates specifically to Xeva Patent 1 only. Each Xeva patent is designed to meet the specific needs of different market sectors.



Imagine a world where clean, **limitless energy** is always within reach, day or night, rain or shine

Imagine generating 10,000 kWh of free electricity every year from one compact high-performance design unit without relying on the sun or utility companies with rising energy costs.

Our Wind Turbine is significantly more efficient than solar, compact and built to keep you powered day and night, in any weather.

This is not just about saving on bills, it is about scalability, independence and decentralising power generation.

Whether you are off-grid, cutting costs, or securing energy independence, this is the future of power.

Our units offer a scalable, high-impact solution aligned with the global multi-trillion-dollar shift toward renewable energy.

Our **Value Proposition** is compelling...

Its not just a business: It is a movement; Movements create value

Projected Growth: As the world moves away from fossil fuels and outdated renewables, this technology is positioned to lead the next generation of wind power.

Scalable Technology: Our turbine is versatile, cost-effective and ready to scale, offering solutions for cities, rural areas and off-grid locations.

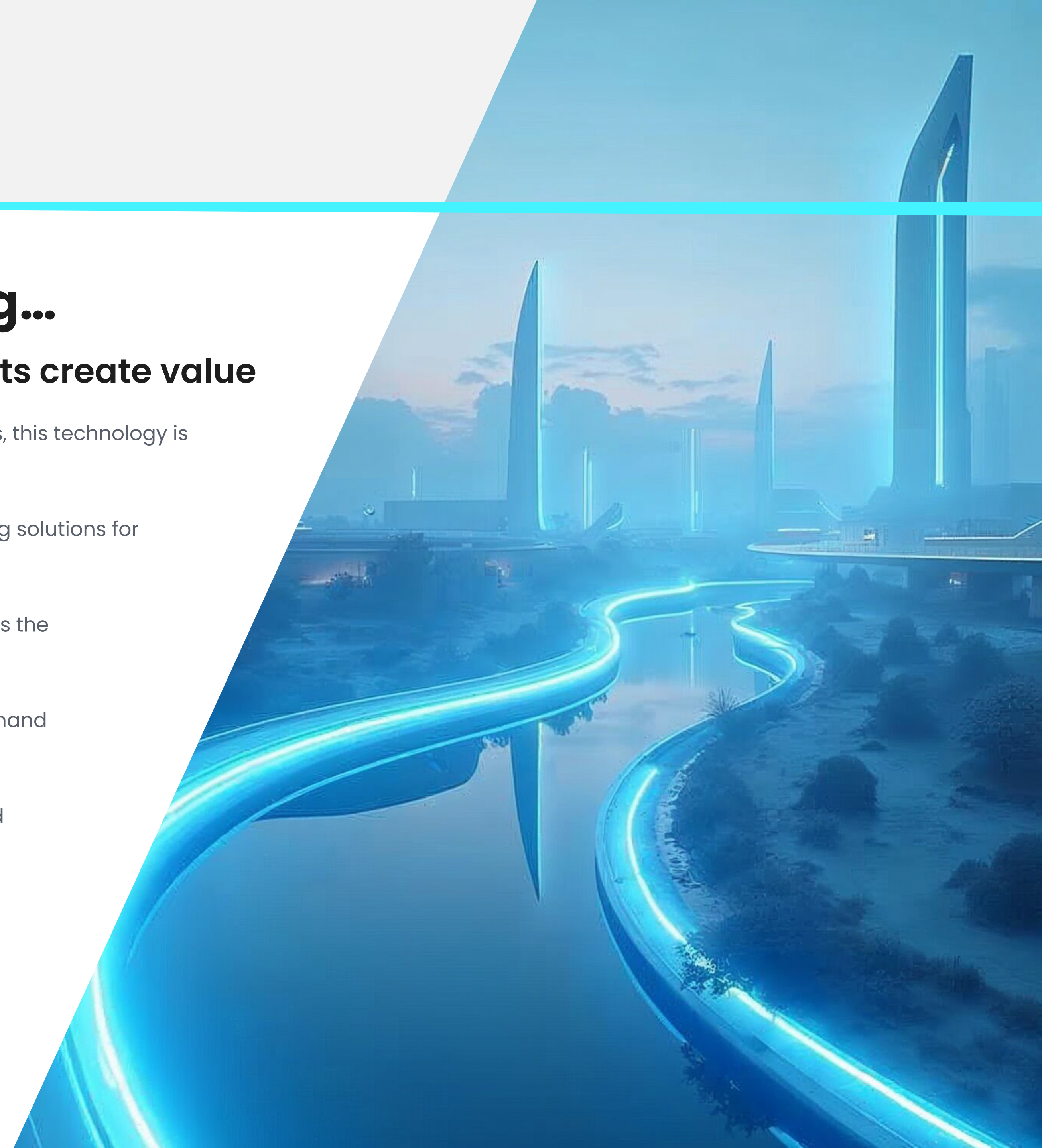
With a first-mover advantage, scalable technology and growing market demand, this is the perfect time to invest in the future of clean, independent and highly profitable energy.

Whether you are cutting your own energy costs or tapping into the massive global demand for clean power, this is more than a product, it is a financial opportunity.

With governments and corporations racing to secure renewables, early adopters stand to gain huge returns and a strategic position in a future industry leader.

While the corporations fight to sell the sun back to the people, our turbine spins silently in fields, on buildings, in snow and deserts and in gardens, turning wind into power, power into freedom. **No contracts. No middlemen. No permission needed.**

The future of energy is decentralised. The future of energy is independent. Be part of the most disruptive energy innovation of the decade.



Freedom From the Grid Means Power on Your Terms

The Problem we all have: Energy is Controlled

Big energy monopolies dictate prices, restrict access and stifle innovation and the outdated infrastructure is failing!

Instead of evolving, governments and corporations profit from dependency and let us be clear...the energy crisis is not about scarcity, it is about control!

The Solution we have: Energy Freedom

Our technology is the answer, tearing down the barriers of centralised energy control.

Our revolutionary wind turbine technology is sleek, powerful and built for a future where individuals and businesses – not corporations – **control their own energy.**

With AirPlus, every home, every business, every person can generate their own power, store it and use it on their own terms.

No middlemen. No artificial scarcity. No grid dependency.

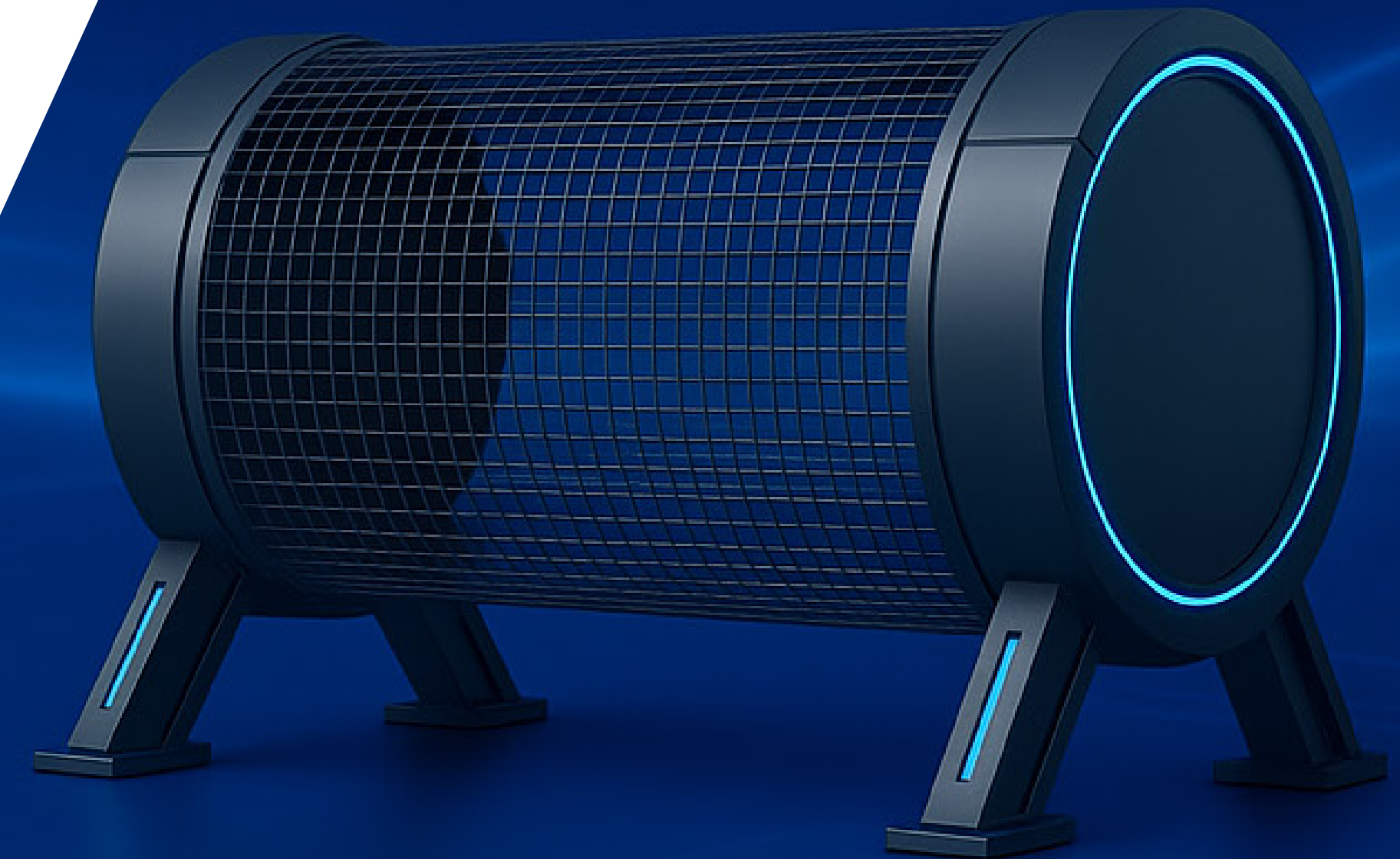
A **Game-Changing** Alternative with Global Applicability

One single unit of our next-generation wind turbines is significantly more efficient than solar, **generating 10,000 kWh per year**; enough to power more than an entire home or business with clean, reliable and cost-free electricity.

Existing wind technologies have several limitations, which AirPlus innovations address and resolve, including, for example:

- Limited and intermittent wind speed
- No power generation at very mild and very high wind speeds
- Significant dead land requirements
- Noise produced by rotor blades, visual impacts and deaths of birds & bats flying into rotors

Compared with solar, our Turbines are more efficient & cost-effective, reducing electricity costs to ZERO (excluding maintenance costs at c. 5% of capital cost), with payback from c.2 years to 4 years!



Technical Specifications

Performance & Power	Rotor System	Wind Speed Tolerances	Build, Assembly & Deployment
<p>Type: Permanent Magnet Generator This is a high-efficiency generator with fewer moving parts, meaning better reliability and less maintenance.</p> <p>Maximum Power Output: 10 kW At peak wind conditions, the turbine can produce up to 10 kilowatts.</p> <p>Rated Power: 6 kW Under standard, optimal wind speeds (~11–12 m/s), it will consistently produce 6 kW.</p>	<p>Blade Configuration: 4 columns of 4 blades (16 total) Improves surface area for wind capture, enabling better performance at lower wind speeds.</p> <p>Blade Material: Recycled Plastic A sustainable, lightweight material choice that supports the green ethos while maintaining durability.</p> <p>Rotor Diameter: 1.5m Compact and ideal for rooftop or urban installs where space and aesthetics matter.</p> <p>Rotor Width: 1.3m Gives it a unique horizontal axis profile, contributing to lower noise and stability.</p>	<p>Cut-In Speed: 2–3 m/s This is impressively low — the turbine begins generating power at very light wind conditions.</p> <p>Rated Wind Speed: 11–12 m/s Where it achieves maximum efficient output (6 kW).</p> <p>Cut-Out Speed: 45 m/s* The turbine shuts down here to protect itself from damage (equivalent to ~100 mph).</p> <p>Survival Wind Speed: ~70 m/s* This is extremely robust — the turbine can withstand hurricane-force winds (over 150 mph).</p>	<p>Flat-Pack Delivery Minimises shipping costs and simplifies logistics.</p> <p>Assembly Time: <45 mins per module This is a standout feature — very fast deployment, ideal for scaled rollouts or remote locations.</p> <p>Weight: <45 kg per module Lightweight enough to be handled by two people. No cranes needed in most cases.</p>
Design & Environmental Conditions	Noise Level	Durability	
<p>Design Class: IEC 61400–2 Class I Designed for areas with the highest wind speeds. This is top-tier in global standards for small wind turbines.</p> <p>Temperature Range: -20°C to 50°C Operates well in harsh environments including cold, coastal and desert climates.</p> <p>Lifespan: 15+ years with maintenance Industry-standard with service agreements available.</p>	<p>Small Prototype: 10–15 dB at high speeds Equivalent to rustling leaves. Expect similarly quiet performance in full-size version, with official testing pending.</p>	<p>Anti-Corrosive Construction Blades and nacelle are sealed and painted with epoxy — ideal for island, coastal, or desert use.</p>	

Performance

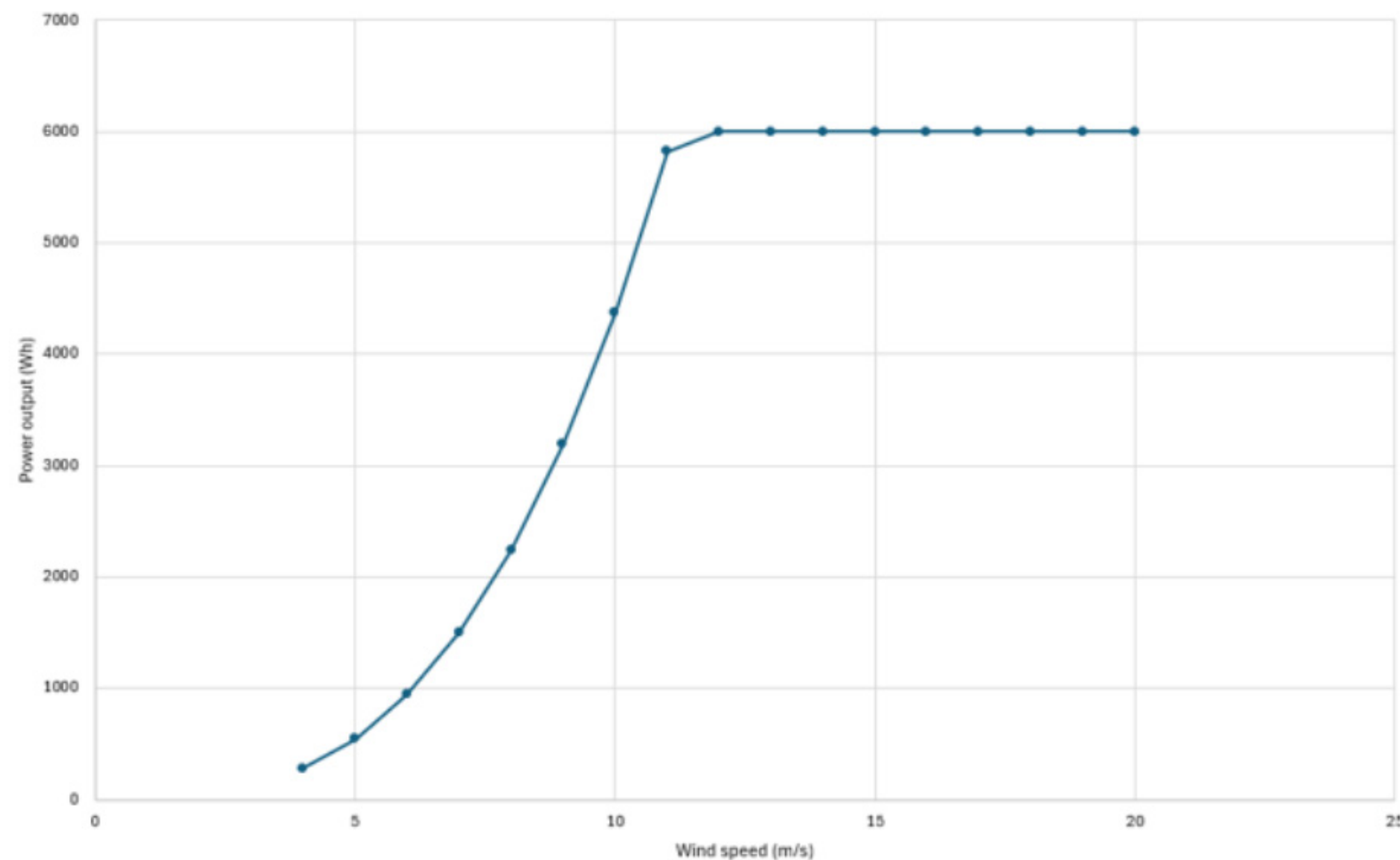
Power generation starts at 1.8m/s wind speed compared to 5m/s for standard wind turbines, ensures nearly 24/7 power generation.

Central axis from recycled plastic and off-the-shelf generators ensures long shelf-life.

Design and material ensures efficiency at extreme temperatures.

Conditions, -20C, due to plastic central axis.

Expected Power Curve





Tested. **Validated.** Ready.

AirPlus has undergone rigorous testing, including **validation in the state-of-the-art wind tunnel of a globally renowned, high-end automotive manufacturer – one of the most advanced facilities of its kind in the world.**

Led by independent technical consultants, the results confirmed that the turbine is not just functional, but optimised for real-world performance.

Their conclusion was clear:

"No further development is required...this system is ready for commercial deployment."

With structural resilience, mechanical integrity and verified energy output all exceeding expectations, the technology has now moved from prototype to production. AirPlus is not a concept — it is a fully validated, market-ready solution built for scale.



So...What is **10 kW** per hour?

10 kW (kilowatts) is a measure of **power**, not energy **over time**.

kW (kilowatts) = the rate at which energy is generated at a given moment.
kWh (kilowatt-hours) = the amount of energy produced or consumed over time.

So, what does “10 kW” mean here?

It means the **maximum instantaneous power output** the turbine can produce when wind conditions are ideal.

Think of it like a car engine:

The engine might be able to produce 300 horsepower — but that does not mean it uses 300 horsepower every second. It is just the max output.

Energy Output & Use Case Examples Based on Confirmed Annual Output

What 10,000 kWh Per Year Delivers

This figure reflects actual real-world performance, not theoretical maximums. To help visualise the real-world impact of a single AirPlus Turbine:

Powers 2 average 3-bedroom UK homes for a full year
(Average household electricity usage: ~3,500–4,500 kWh/year)

Covers the annual consumption of a small office with 8–10 desks
(Basic lighting, computers and devices)

Charges 3–5 electric vehicles (EVs) each year
(Assuming ~2,000–3,000 kWh annual usage per EV)

Saves around £2,500–£2,700 per year on electricity
(At commercial rates of 25p–27p/kWh in the UK)

Metric	Equivalent Power Use	Value*
Daily Output	~27.4 kWh	£6.85/day
Monthly Output	~833 kWh	£208.25/month
Annual Output	10,000 kWh	Up to £3,200/year

"Estimated savings are based on an average commercial energy tariff of £0.25/kWh. Actual daily and monthly output may vary depending on location, local weather conditions and energy provider rates."

Real-World Output Comparison

AirPlus Turbine generates ~10,000 kWh per year, based on actual testing and confirmed performance* – not theoretical maximums.

System	Real-World Annual Output
AirPlus Turbine	~10,000 kWh/year
1 Solar Panel	~350 - 450 kWh/year
Equivalent Panels	24 solar panels

1 Turbine = Up to 24 high-efficiency solar panels – Older or less efficient panels? That number can rise to 30+.

Space Efficiency Comparison

System	Space Required
AirPlus Turbine	Just 1.3m wide × 1.5m tall
24 Solar Panels	~50 m ² (entire roof or garden)

AirPlus requires 95% less space. Perfect for locations where roof space is limited, or ground installation isn't feasible.

AirPlus vs. Solar: A Field-Sized Reality Check

An **American football field** (including end zones) measures **approximately 5,350 m²**

Solar Panels on a Football Field

Each standard solar panel is approx. **1.7m x 1m = 1.7 m²**

You could fit roughly **3,150 solar panels** on a football field ($5,350 \div 1.7 = 3,147$)

Each panel generates approx. **400 kWh/year**

**Total output:
~1.26 million kWh/year**

What That Means in Real Terms:

You could fit an entire AirPlus system that matches a full-field solar array into an area smaller than a tennis court!

2548 m²

225 m²

AirPlus Turbines for Equivalent Output

Each AirPlus unit generates **10,000 kWh/year**

To match the same **1.26 million kWh/year**, you would need just **126 AirPlus units**

Each unit occupies **1.95 m²**

Total space required: ~246 m²

Less than 10% of the field area!

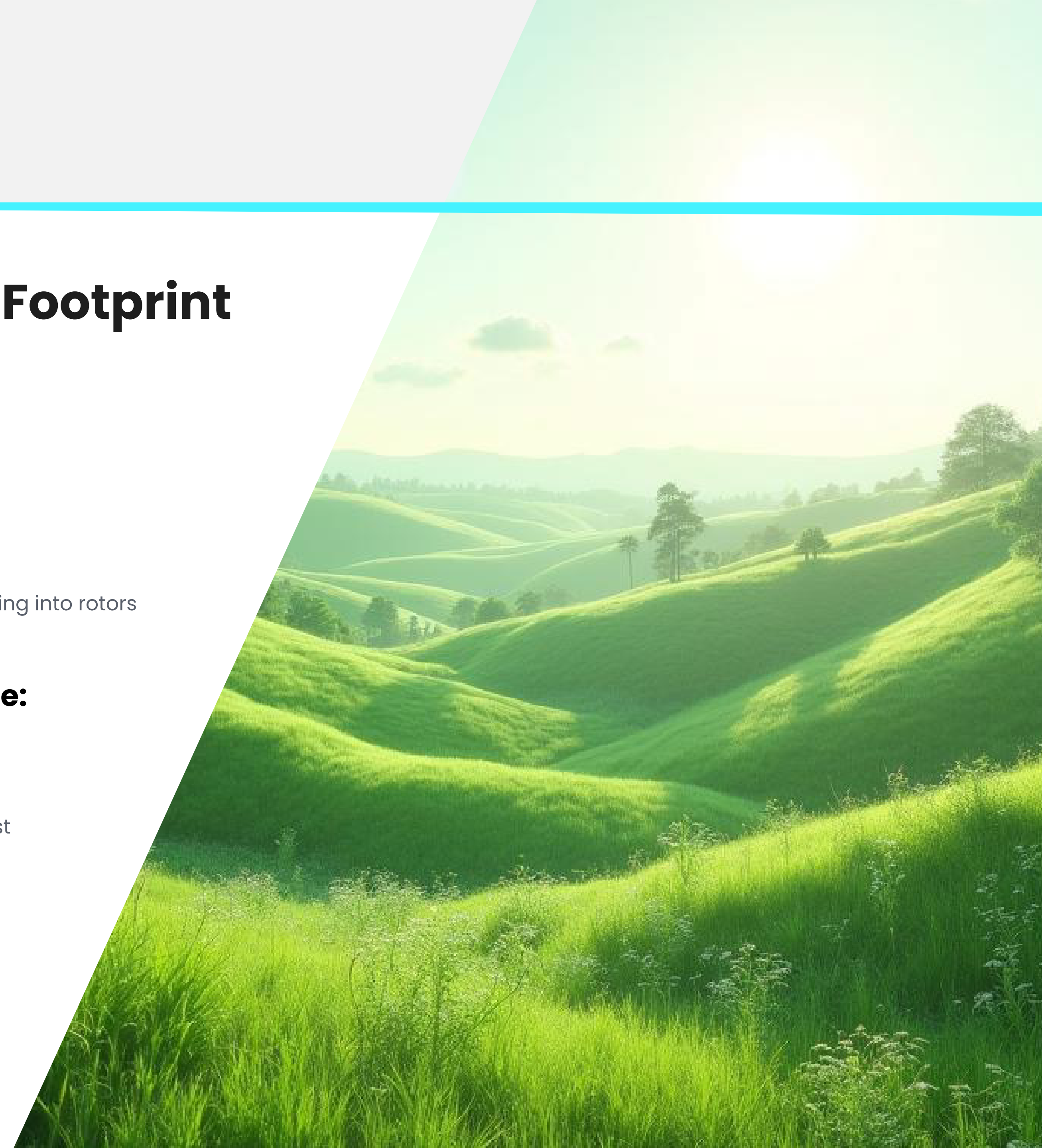
A Smarter, Cleaner Manufacturing Footprint

Solar panel production is resource-intensive:

- Limited and intermittent wind speed
- No power generation at very mild and very high wind speeds
- Significant dead land requirements
- Noise produced by rotor blades, visual impacts and deaths of birds & bats flying into rotors

AirPlus Turbine is engineered with sustainability at its core:

- Manufactured using recycled plastic blades and low-impact materials
- Flat-pack delivery significantly reduces transport emissions
- Designed for 15+ years of reliable operation, with modular components for fast replacement
- No toxic materials, no high-carbon manufacturing, no wasteful end-of-life process



Lower Cost. Faster ROI. Free Greener Energy.

This is not just a sustainable solution — it is a smart financial decision.

Generate 10,000+ kWh per year – equivalent to powering 2 UK homes annually ■

Payback period: As little as 2 to 4 years, depending on location, tariff and usage ■

Lifespan: 15+ years of performance, with minimal maintenance ■

After Year 4, it is pure savings and **free electricity** for your business or home ■

Owners can eliminate electricity bills and even sell excess power back to the grid via export tariffs ■

No fuel, no oils or greases, minimal servicing — just consistent, clean, reliable power ■

Compared to solar, AirPlus offers faster ROI, lower installation costs and greater year-round reliability – especially in overcast climates or urban environments where sunlight is limited.

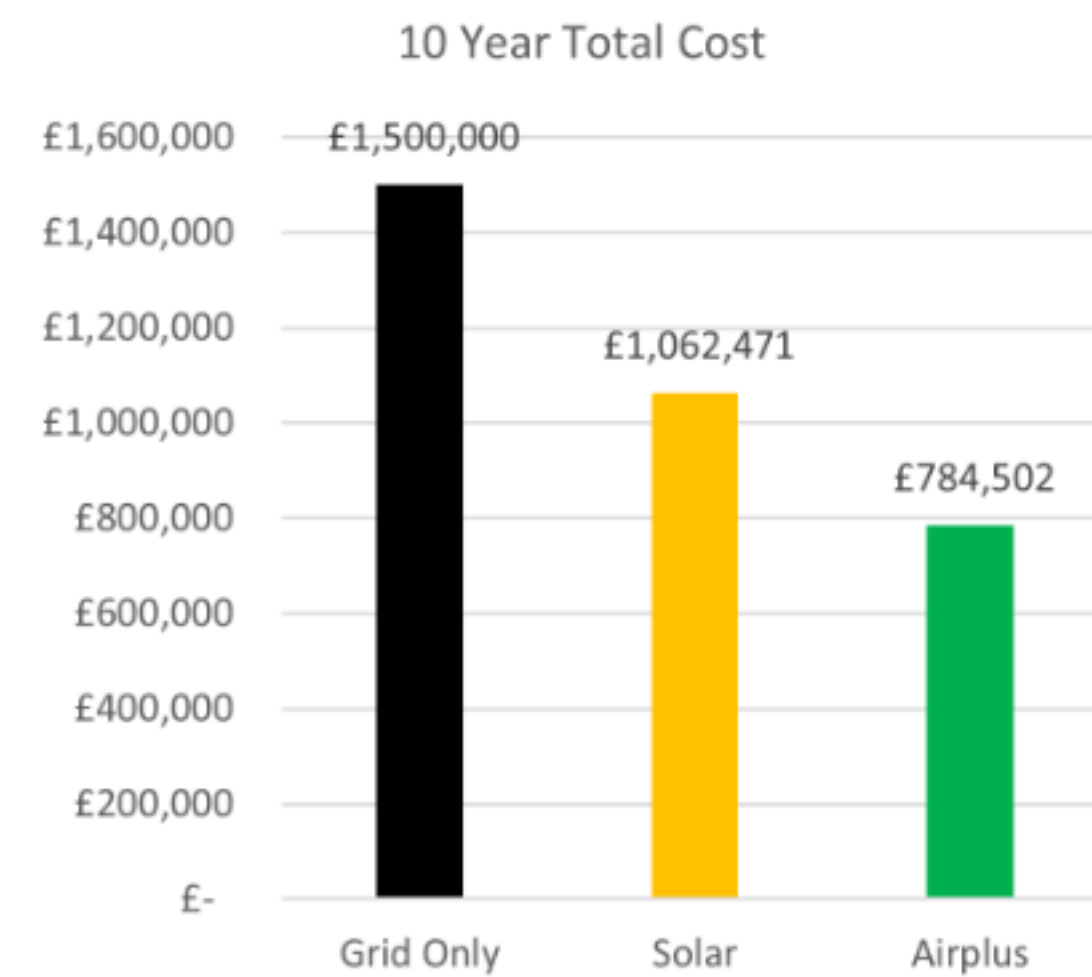
ROI – Alternatives Compared for 1.0 GWh Annual Demand

10 Year Cost

Compared to Grid:

Solar – 29% less

AirPlus – 48% less

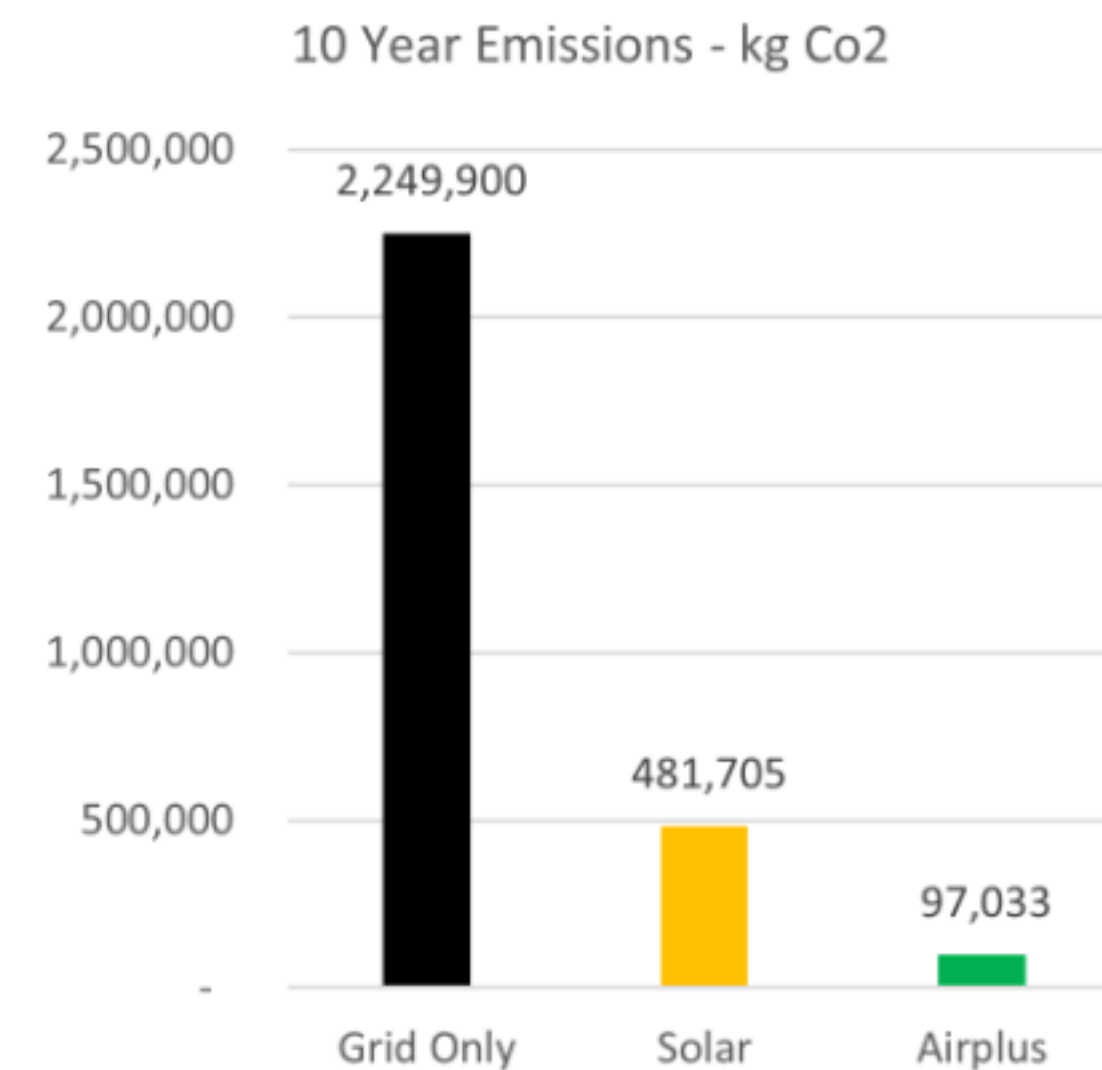


10 Year CO2 Emissions

Compared to Grid:

Solar – 79% less

AirPlus – 96% less



Area Required:
Only 9% Surface Area required
compared to Solar

Energy Independence is Not Just Possible It Is Inevitable via AirPlus Unmatched Benefits

Lower Cost, Higher ROI.

With zero fuel costs, minimal maintenance and long lifespan, our technology offers faster payback and lifetime savings compared to traditional renewable energy solutions.

Smart Grid Integration and Energy Independence

Our turbines integrate with battery storage and smart grids, allowing users to store excess energy or sell back to the grid, fostering true energy independence.

Compact, lightweight and designed for rooftops, poles, or standalone setups, our turbines can be deployed in homes, businesses and remote locations without complex infrastructure.

Free, Unlimited Electricity

Our turbines harness constant wind power, generating enough energy to power homes, businesses and industries without reliance on expensive grid electricity.

Beyond Solar 24/7 Energy Generation

Unlike solar panels that depend on daylight, our micro wind turbines operate day and night, in any weather condition, ensuring uninterrupted power supply.

High Efficiency in Small Form Factor.

Engineered with cutting-edge aerodynamics and energy conversion technology, our turbines generate significantly more power than solar panels per square foot, making them ideal for urban & rural environments.

Carbon Neutral and Eco-Friendly ■

Easy Installation and Scalable ■

100% clean and renewable energy, reducing reliance on fossil fuels ■

Market Opportunity

The market is ripe for disruption

Total Global Electricity Consumption in 2023 was 23,500 TWh/year.

The global energy landscape is shifting rapidly toward renewables, creating a trillion-dollar opportunity for innovative, scalable solutions.

Allied Market Research advises the global renewable energy market was valued at \$928.0 Billion in 2017 and is expected to reach \$1,512 Billion by 2025, registering a CAGR of 6.1% from 2018 to 2025.

1.7 trillion projected annual investment in renewables by 2030 (IEA, 2023) with global electricity demand set to double by 2050.

Governments worldwide offering subsidies and tax incentives for renewable adoption.

In a world where energy demand is rising, traditional renewable solutions like solar panels come with limitations – high costs, space requirements and dependency upon sunlight.

Most of the high electricity consumption countries have net zero targets as part of their commitments to combat climate change.

Businesses and homeowners seeking energy security and independence amid rising costs.

The demand for clean, affordable and reliable energy has never been greater.

AirPlus turbines provide scalable, high-return solutions that meet increasing demand for decentralised, self-sufficient energy generation.

Top 20 Countries Electricity Consumption

Global Averages

- The average global industrial electricity price was \$0.147 per kWh in the fourth quarter of 2024
- Europe had highest average at \$0.228 per kWh
- Asia had the lowest at \$0.080 per kWh

These figures can fluctuate based on changes in energy markets, policy decisions and economic conditions.

Some countries struggle to generate and distribute electricity due to difficult terrain and harsh weather conditions – the most affected countries:

- Nepal (Himalayan Mountains and Earthquakes)
- Bhutan (Mountainous and Remote)
- Afghanistan (Mountains, Conflict and Harsh Winters)
- Mongolia (Extreme Cold and Sparsely Populated)
- Canada (Arctic Cold and Remote Areas)
- Norway (Mountainous and Snowstorms)
- Papua New Guinea (Dense Rainforests and Islands)
- Indonesia (17,000 Islands and Volcanoes)
- Chile (Deserts, Mountains and Earthquakes)
- Greenland (Extreme Cold and Ice Sheets)

Country	Total Consumption (TWh)	Per Capita Consumption (MWh)
China	6,453.17	4.63
United States	3,930.64	11.99
India	1,277.17	0.96
Russia	965.16	6.57
Japan	902.84	7.14
Brazil	597.23	2.85
Canada	549.26	14.76
South Korea	527.04	10.21
Germany	524.27	6.34
France	449.42	6.68
Saudi Arabia	322.37	9.65
United Kingdom	300.52	4.55
Italy	297.15	4.92
Mexico	267.91	2.15
Indonesia	263.14	0.99
Iran	254.72	3.12
Turkey	251.38	3.11
Spain	241.56	5.18
Australia	241.02	9.62
South Africa	218.54	3.67

Global Strategic Direction

AirPlus Innovations respond to global needs, specifically revolving around these Key Pillars:

Countries & sectors/companies with high energy consumption: reduce costs of electricity for those consuming significant amounts and/or where costs are high and people cannot afford electricity.

Countries/Geographies where electricity is in short supply: deliver power to those who have little or no access to electricity; provide power in war-torn countries where power networks are destroyed.

Countries/Geographies where electricity is difficult to generate: deliver power in areas that are considered incapable of generating electricity.

Countries & companies/organisations actively pursuing alternative energy solutions: drive to carbon neutral/net zero through adoption of green/renewable energy innovations.

Across each Key Pillar, AirPlus will adopt one or more of the "Revenue Streams / Routes to Market".

Target Sectors: Patent 1 – Xeva

Industrial

Large factories, steel plants and chemical processing facilities
Data centres requiring uninterrupted power supply
Warehouses and logistics hubs looking for cost-efficient power solutions

Commercial

Shopping centres and retail chains
Hotels, resorts and restaurants
Hospitals, medical facilities and office buildings
Airports and large commercial hubs

Government & Public Sector

National electrification projects for off-grid villages
Government buildings, schools and public sector facilities
Defence and military bases requiring independent power sources
Smart city projects integrating micro wind into urban infrastructure

Domestic (Near-Future Roadmap)

Planned integration into residential developments and eco homes
Ideal for smart homes and self-builds with sustainability targets
Designed for properties with limited roof space or planning restrictions
Future-ready for battery storage, EV charging and off-grid applications

Some **Potential Customers** in advanced discussions

AirPlus is also in initial discussions with Canada Alberta Government – interested in acquiring an as yet unspecified volume of Turbines, along with potential funding and building of a manufacturing facility.

AirPlus is currently in discussions with a number of other “Potential Customers”, by way of example:

NHS England – potential wider roll-out following the North of England prototype installation.

Greater Manchester Combined Authority (GMCA) & Energy Innovation Agency (EIA).

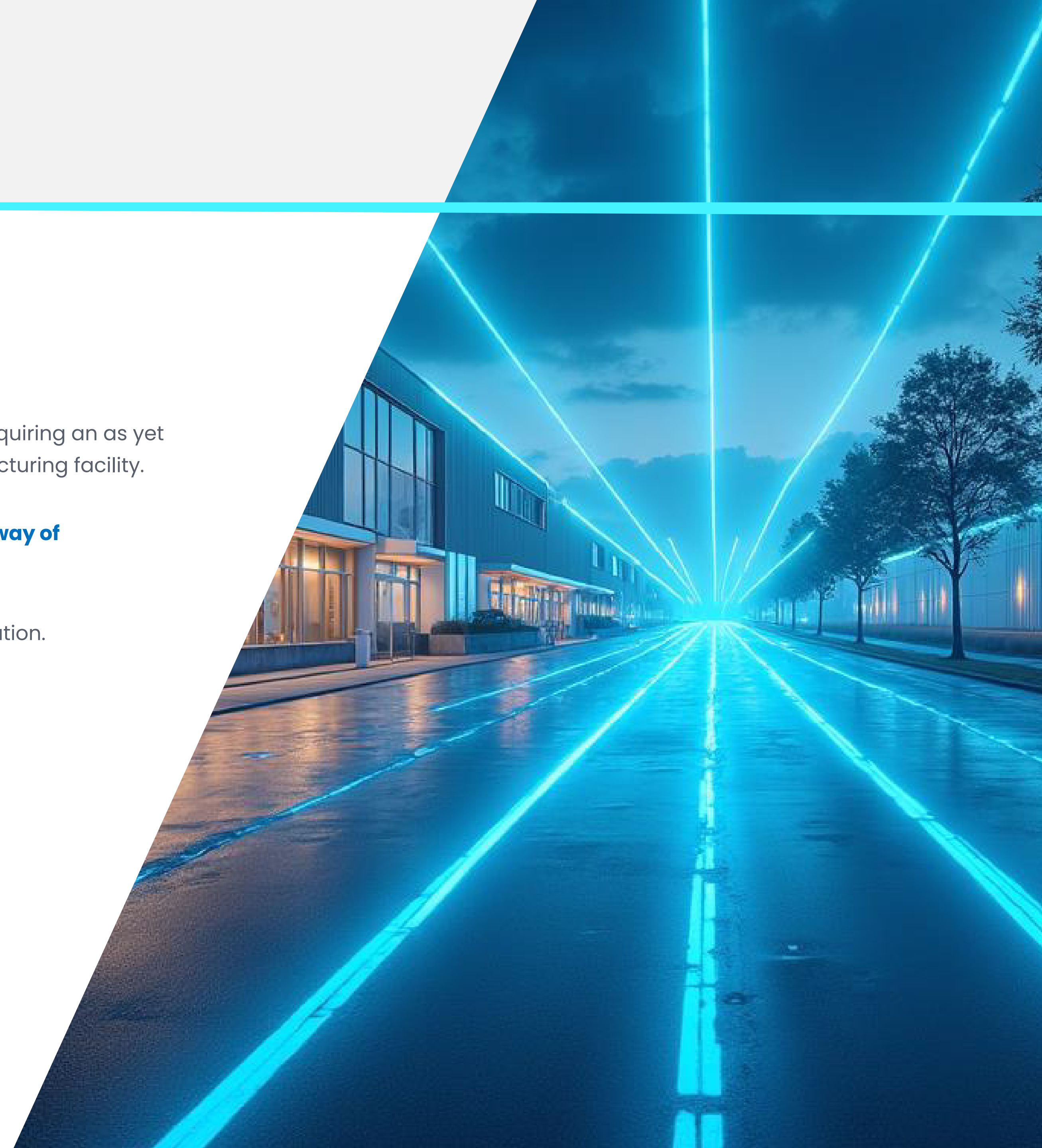
National Highways – motorway central reservation installations.

Jacobs – GEMS (Green Energy Management Scheme), a global Jacobs initiative.

DASA – Defence and Security Accelerator (Ministry of Defence).

Fox’s Burton’s Companies – commercial trials and discussions underway.

Safestore – active engagement for multi-site rollout across the UK.



The Facts

Global Electricity Consumption

In 2024, clean energy sources supplied over 40% of global electricity demand, marking a significant milestone since the 1940s. This achievement was primarily driven by the rapid expansion of solar power, which has doubled in capacity over the past three years. Despite this growth, solar power accounted for nearly 7% of global electricity in 2024, with wind contributing just over 8%. Hydroelectric power remained the largest renewable source, supplying 14% of global electricity.

Energy Crisis (UK)

The cost of living crisis has significantly affected UK energy consumers. As of April 2025, approximately 6.1 million UK households are in fuel poverty. This situation has been exacerbated by rising energy prices, with the average annual household energy bill reaching £2,500 in October 2022 under the Energy Price Guarantee.

Although there have been government interventions, many households continue to struggle with high energy costs.



General Value Proposition

AirPlus is revolutionising Clean Energy with High-Efficiency Micro Wind Turbines. Our micro wind turbines offer a game-changing alternative.

Free, Unlimited Electricity: Our turbines harness constant wind power, generating enough energy to power homes, businesses and industries without reliance on expensive grid electricity.

Beyond Solar 24/7 Energy Generation: Unlike solar panels that depend on daylight, our micro wind turbines operate day and night, in any weather condition, ensuring uninterrupted power supply.

High Efficiency in Small Form Factor: Engineered with cutting-edge aerodynamics and energy conversion technology, our turbines generate significantly more power than solar panels per square foot, making them ideal for urban and rural environments.

Carbon Neutral & Eco-Friendly: 100% clean and renewable energy, reducing reliance on fossil fuels.

Easy Installation & Scalable: Compact, lightweight and designed for rooftops, poles, or standalone setups, our turbines can be deployed in homes, businesses and remote locations without complex infrastructure.

Airpuls

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