



Catch The Wind, Above Your Head

Corporates' challenges

1/

ESG imperatives

Carbon emissions' reduction, sustainable sourcing, ...

2/

Energy prices stability

In Oct-21, prices of energy were skyrocketing

3/

Increasing demand

EV sales break records, with momentum expected to continue through 2024

4/

Auto-consumption

The trend is to auto-consume the self-produced energy (battery)



Most Gone Solar, Enough?

Solar Energy

Bright & Dark Sides

Bright side

- Affordable
- Simple setup
- Quick ROI
- Extensive lifespan (30y)
- Predictable
- Static

...

Dark side

- Spatial constraints
- Auto-consumption hurdles

What Corporates Need

1/

Affordability

Invest in a solution with the shortest payback period—approximately 5 years.

2/

Monetization

Unlock the potential of your unused rooftop space for additional revenue or energy savings.

3/

Complementary

A solution designed to work in harmony with your existing solar PV, optimizing energy generation.

Solution



**Catch The Wind,
Above Your Head**

Meet



ReNewind



Renewind, in a nutshell

1/ Urban wind turbine

2/ Cutting-edge aerodynamic technology

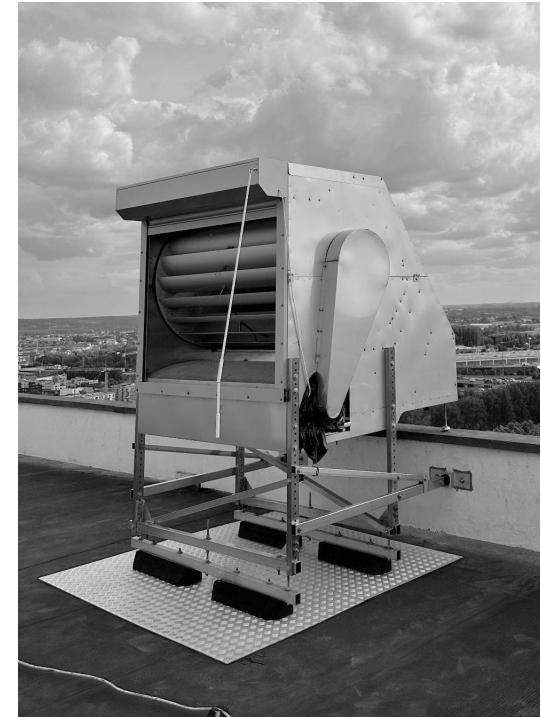
3/ BANKI rotor + Building acceleration effect

4/ Sonaca spin-out

Initiated by Sonaca, in 2017, Renewind cracked the code on harnessing untapped wind power.

Our cutting-edge aerodynamic technology takes full advantage of the Building acceleration Effect — leveraging the natural wind acceleration that occurs on top of buildings—to turn your rooftop into a sustainable energy generator.

With Renewind, the future of green energy isn't just at your doorstep; it's right over your head.



Reminder – 2 KPIs that matter in the wind industry

1/

Performance Coefficient (Cp)

The yardstick of wind energy capture

- Measures how efficiently a turbine converts wind energy into electrical energy
- Higher Cp = More Energy Captured
- Betz limit: Cp can't exceed 59.3%

2/

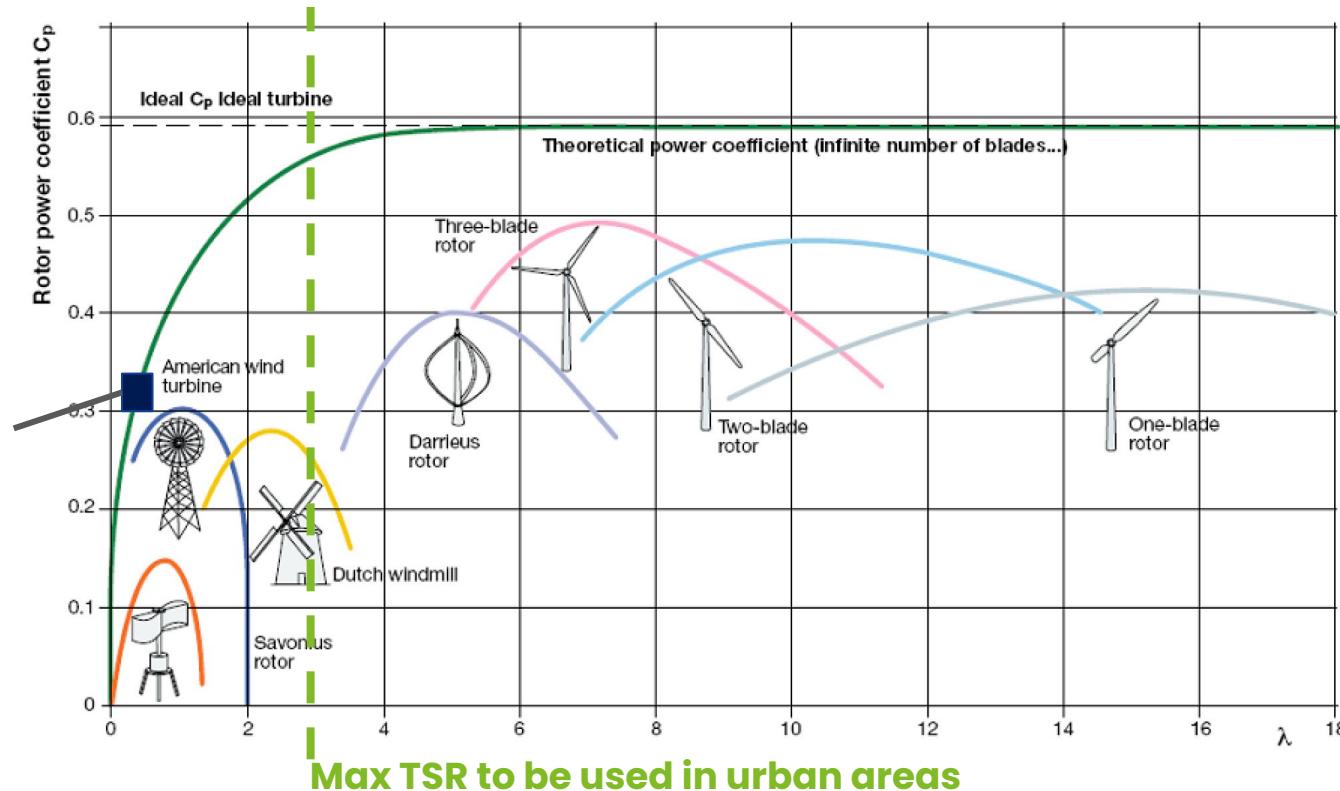
Tip Speed Ratio (TSR)

The balance between speed and noise

- Ratio of blade tip speed to wind speed
- Higher TSR often means more noise and wear on the turbine

Brief Reminder – Wind Turbine 101

Renewind
Cp 31%
TSR 0.35



2 KPIs that matter in the wind industry

31%

**Performance
Coefficient (C_p)**

0.35

**Tip Speed Ratio
(TSR)**

The 6 Challenges for Urban Wind Turbines

1/ Noise

2/ Vibration

3/ Security

4/ Forecasts

5/ Maintenance

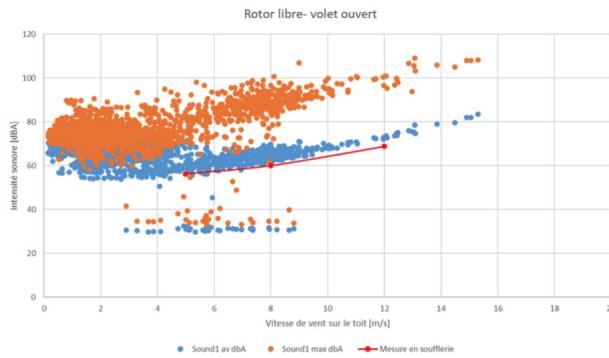
6/ Authorization

The 6 Challenges for Urban Wind Turbines

1/ Noise

The silent operator

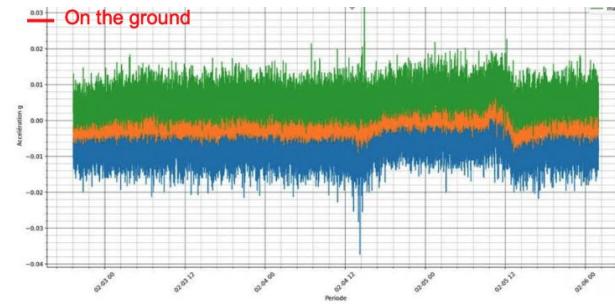
Our proprietary BANKI rotor design ensures ultra-quiet operation. In real-world tests, we achieved a noise level under **60 dB**—quieter than a dishwasher. This was accomplished at a wind speed of 8 m/s, with an impressively low **Tip Speed Ratio (TSR) of just 0.35**.



2/ Vibration

Smooth operations

Engineered for exceptional low-vibration performance, our turbines feature specialized silent blocks to ensure structural integrity. No vibrations are transmitted to the ground, safeguarding both your installation and its surroundings (tested under real-world conditions).

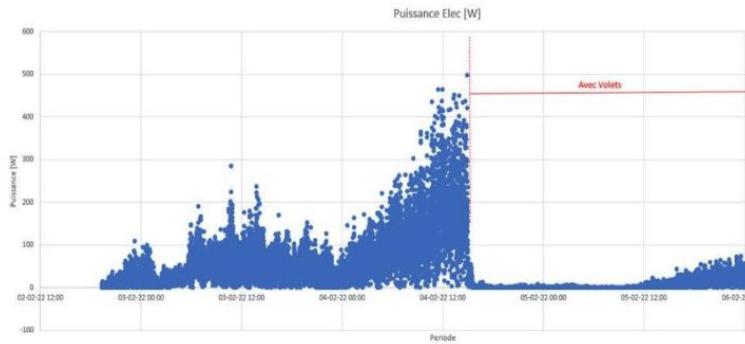


The 6 Challenges for Urban Wind Turbines

3 / Security

Safety First

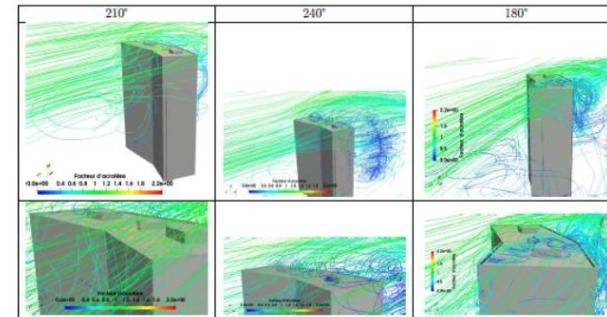
Security is paramount in our design. With no exposed propellers, our turbine eliminates common safety hazards. For extreme conditions, automatic shutters activate a mechanical full-stop, ensuring both operational integrity and public safety.



4 / Forecasts

Wind: Hard to Predict, But Gaugeable

We require a preliminary wind study and leverage our in-house Computational Fluid Dynamics (CFD) tool to estimate a building's wind energy potential.

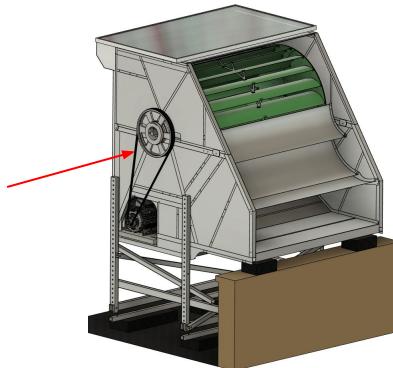


The 6 Challenges for Urban Wind Turbines

5 / Maintenance

(Very) Low Maintenance

Our turbines are designed for longevity and require checkup 1x / year (lubrication), and the driving belt replacement once every 10 years.



6 / Authorization

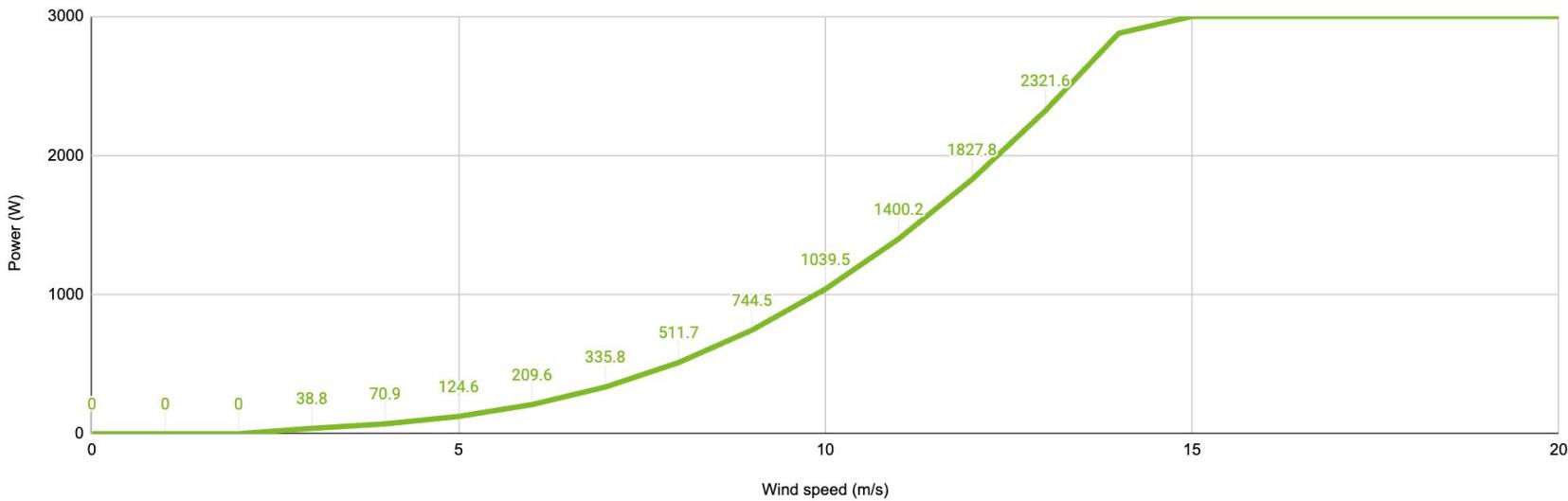
Permit-Ready

Designed to meet or exceed all local and federal regulations.

(Discussion in progress, to be confirmed)



Renewind power



- Up to **3.0 MWh** annually (s.t. locations)
- Soon, Renewind will be supercharged with PV on-top, adding 500 Wc power, boosting energy by **+0.5 MWh**

Installation requirements

/ Infrastructure

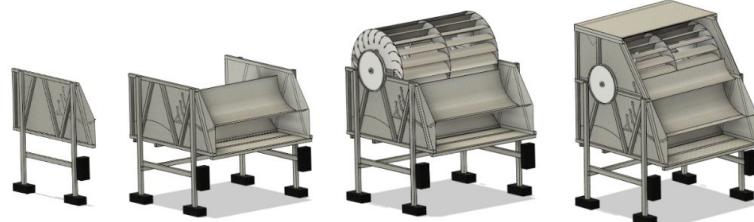
- Rooftop type: flat surface only
- Min. height: $\geq 8\text{ m}$

/ Pre-installation studies

- Wind
- Stability

/ Designed for easy assembly

- Comes as a kit, for hassle-free installation
- Directly on rooftops
- No need for cranes or heavy machinery





Technical sheet (TRL7)

Mechanical characteristics

	Frame
Dimensions L * w * h, in m	1.8 * 1.75 * 1.85
Weight, in kg	350
Material	Stainless steel

Mechanical characteristics

	Rotor
Dimensions L * diameter, in m	1.5 * 1
Rotation speed, in RPM	0 - 250
Material	Aluminium
Cp	0.31

Electrical characteristics

Generator power, in W	3,000
Generator type	Variable reluctance
Efficiency	95% - IE5 class
Connection	Grid via inverter

Environmental characteristics

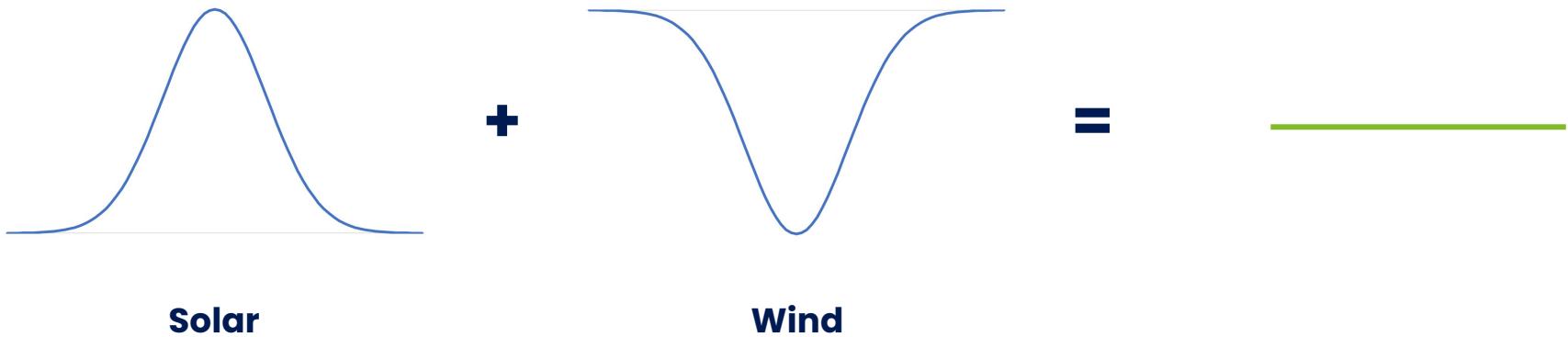
Cut-in speed, in m/s	3
Design speed, in m/s	14
Cut-out speed, in m/s	25
Annual operation hours, in h	6,000
Noise	< 60 db at 8 m/s
Acroterion factor	From 1.2 to 1.8

Maintenance & security

Maintenance	Annual
Emergency stop	Automatic



The Synergy of Continuous Power



Meet the Team



Florent Dial

COO

Engineering

Structure

Product Design

Past experiences

Sonaca



Henri Rion

CEO

Business Development

Finance

Past experiences

Koopol, PwC, Eurinvest



Jonas Vidaic

CTO

Aerodynamic

Electronic

Past experiences

Sonaca, Ferrari, Toyota

Investors and Partners, Our Pillars of Support



Sambrinvest

**Boost
Engineering
Fund.**



What We've Achieved

Milestones Achieved: 1 TRL7 Prototype

1 Installation in Anderlecht Since Sep-23



What We're Looking For: Pilot Partners

1/ Collaborate & Communicate

Seeking Trustworthy Partnerships

2/ Pilot Goals

25-50 Diverse Installations (Cities, Coasts, Countrysides, Malls, SMEs, Corporates)

3/ Data Collection

Comprehensive One-Year, Four-Season Study

4/ Budget

Shared Costs (6k€ / installed unit from partners)

5/ Letter of Intent

Conditional commitments on future installations

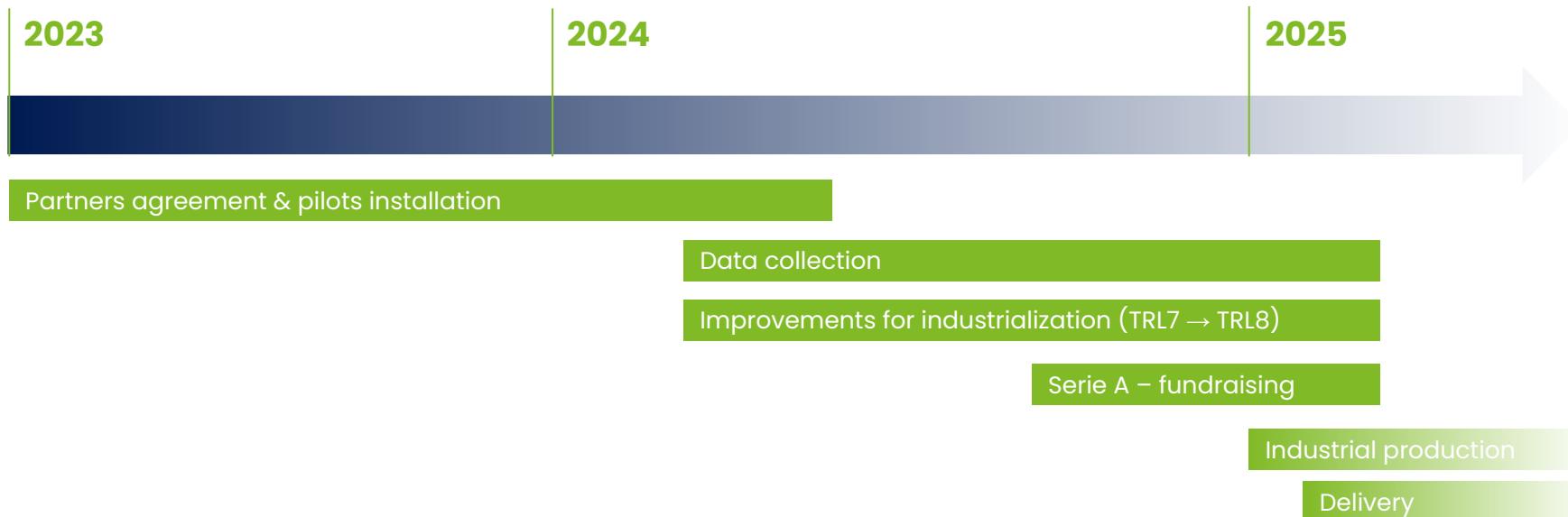
Benefits for Early Adopters

Discount on Future Units

Objectives & Roadmap Overview

Targeted metrics

- 1/ Installed unit price: 3-5k€
- 2/ ROI ~6-7 years, subject to volume



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