

## European Solar Energy Storage

# Denmark katrick technologies wind panels



## Overview

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### What is Katrick Technologies' Wind Panel?

Katrick Technologies' Wind Panel is a market-first wind power generation technology that addresses the limitations of conventional wind turbines by capturing a far wider range of wind speeds and frequencies at lower levels through its unique design.

### How does Katrick technology solve wind energy problems?

Co-CEO Vijay Madlani and Marketing Manager Alexandra Basso discussed how Katrick Technologies solves this problem by cleverly designing the wind panel to maximise the kinetic energy captured and converted to electrical power. Katrick's panels offer several significant benefits over turbines.

### How do Katrick wind panels work?

Katrick has designed the wind panels specifically to operate under these conditions. The size of panels and configuration of aerofoils allows them to efficiently capture winds of varying speeds and directions, including ground winds that conventional turbines cannot operate efficiently.

### What does alpha stage 1 mean for Katrick Technologies' Wind Panel?

The completion of Alpha Stage 1 marks a significant milestone in the development of Katrick Technologies' Wind Panel. The results from these tests have demonstrated that not only does the technology function as expected, but it exceeds the targets originally set and shows the potential of this innovation in generating clean energy.

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### **Katrick wind panel tech shows promising energy ...**

Glasgow-based greentech company Katrick Technologies has developed a new form of wind-power technology that does not use rotary parts. Katrick Technologies' Wind Panel instead uses the ducting effect and converts ...

### **Harnessing low-level winds , urban wind power -- Katrick Technologies**

"The Katrick Technologies Wind Panel is designed to do this. It won't compete with larger standard turbines, but will work alongside them to use the ubiquitous resource near the ground." This technology represents a significant advancement in harnessing ground-level wind energy. By effectively capturing the turbulence and variability of

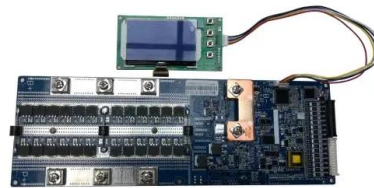


### **About , Who we are , What we do -- Katrick Technologies**

Wind Panels. Profitable wind energy in every location. Our technology is unobtrusive and can be placed in urban and rural locations. Passive Cooling. Katrick Technologies Ltd. 0141 737 4545. The Garment Factory, 10 Montrose St, Suite 8, Glasgow G1 1RE. Important notes.

### [FAQ -- Katrick Technologies](#)

What is novel about your wind technology? Our individual Wind Panels are designed to capture ground effect winds unlike conventional wind turbines. This allows them to be used in both rural and urban settings. With our UDSM ...



## Successful urban wind energy prototype -- Katrick ...

Katrick Technologies' Wind Panel is a market-first wind power generation technology that addresses the limitations of conventional wind ...

## The future of energy for manufacturers -- Katrick Technologies

The drawbacks of traditional wind power generation technology with turbines mean that for microgeneration, particularly for manufacturers with operations in urban or populous areas, it may be a challenge to implement. Katrick Technologies' wind panels have a levelised cost of energy (LCOE) of 8-22p per kW, making it cheaper in the long



## BBC Click , Urban wind energy , -- Katrick Technologies

Check us out on BBC Click and find out more about the development of our Wind Panel technology. A revolutionary urban wind turbine set to change how wind is captured and

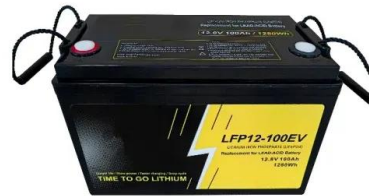
Modular design,  
 unlimited combinations in parallel  
**BUILT-IN DUAL FIRE PROTECTION MODULE**



converted to green electricity. Katrick Technologies Ltd. 0141 737 4545. The Garment Factory, 10 Montrose St, Suite 8, Glasgow G1 1RE.

## Katrick Technologies' green energy innovation with ...

Katrick's panels offer several significant benefits over turbines. They contain variable profile aerofoils that independently oscillate as the wind passes through the panels, thereby creating smaller energy pockets which ...



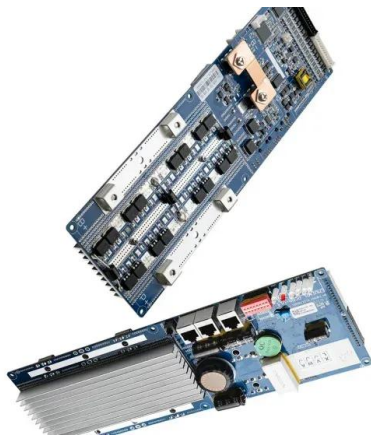
## COP29

Access to funds for the development and installation of new renewable technologies across developed and developing countries is critical, without it, we risk the future of the planet. Only funding and the rapid dissemination of it can avoid this. We do not have the luxury of waiting another 40 years this time. ~Katrick Technologies.

## Partnering with the MTC on our Wind Panel

A new partnership between Katrick Technologies and independent research and technology organisation the Manufacturing Technology Centre (MTC) will help the UK reap the benefits of low-level wind energy generation. As a result of the partnership, Katrick expects a first prototype of its technology, which uses kinetic energy from

wind to generate green energy.



## Powering Santa's sleigh , wind energy , renewables -- Katrick Technologies

Embracing modular wind energy, such as Katrick Technologies' innovative Wind Panel, presents a compelling solution for Santa's sleigh and beyond. Unlike traditional wind turbines, modular systems often boast a smaller physical footprint, contributing to reduced environmental impact during manufacturing, transportation, and installation

## Company unveils bladeless 'honeycomb' wind turbines -- here's ...

Katrick Technologies is not the only company out there making an impact when it comes to renewable energy and wind. Texas company Aeromine also has a compact and efficient wind turbine, and their wind turbine design is modeled off of race cars and works in tandem with solar panels. Both models are in active development.



## Katrick Technologies Tests Novel Wind Power System at ...

Greentech innovator Katrick Technologies is



poised to achieve yet another milestone in the development of its revolutionary Wind Panel technology. Following the successful validation of Technology Readiness Level 5 (TRL 5) by the University of Strathclyde and testing at the Silverstone Sports Engineering Hub, the company is now conducting a second round of ...

## KT & Edinburgh Airport wind mapping consortium

Using wind mapping data, Katrick Technologies can determine the optimal areas to deploy technology to capture and convert this energy. Katrick Technologies' wind panels are a unique innovation for wind-based renewables. The wind panel consists of numerous channelling ducts where multi-layered patented aerofoils are located.

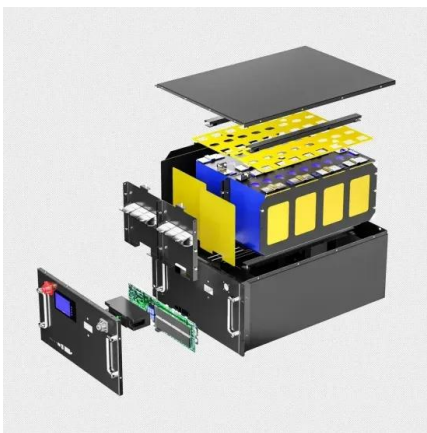
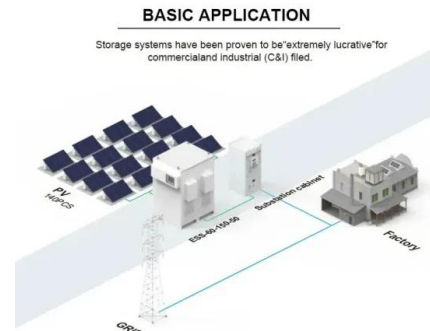


## Our wind panel design competition winners announced!

Katrick Technologies, Glasgow City Council and STEM Glasgow collaborated on this community engagement project, which saw students from seven schools submit their designs for wind panels. MSPs Kaukab Stewart and Bob Doris attended Caldercuilt Primary School on the 5th of November, where the two winners were awarded for their designs.

## Katrick wind panel tech shows promising energy capture results

Katrick's wind panels can be fitted to existing structures, greenfield sites, and microgrids. (Courtesy: Katrick Technologies) Glasgow-based greentech company Katrick Technologies has developed a new form of wind power technology that does not use rotary parts. Katrick Technologies' Wind Panel instead uses the ducting effect and converts



## [FAQ -- Katrick Technologies](#)

What is novel about your wind technology? Our individual Wind Panels are designed to capture ground effect winds unlike conventional wind turbines. This allows them to be used in both rural and urban settings. With our UDSM panels Katrick Technologies has developed a multi-point conversion system. Vibrations are captured from a given

## **Katrick Technologies- Innovative technologies for a**

...

Innovative new Wind Panel for low-level use across airports, ports, industrial estates, roadways and residences. Capturing kinetic energy in renewable sources using oscillations. 0. Katrick Technologies are now a leading innovator in ...



## **Katrick Technologies Completes First Testing Milestone ...**

Katrick Technologies has concluded the first stage of the Alpha testing phase of its novel wind power generation technology. Developed in

partnership with The Manufacturing Technology Centre (MTC) and tested at ...



## Our Wind Panel installation at Silverburn

Exciting news from Katrick Technologies! We now officially have our first demonstrable prototype for COP26 installed. Our wind team was hard at work this week installing our first wind panel array at Silverburn Shopping Centre. Located in their Green Car Park the installation will allow us to ca



## Company unveils bladeless 'honeycomb' wind turbines ...

Katrick Technologies is not the only company out there making an impact when it comes to renewable energy and wind. Texas company Aeromine also has a compact and efficient wind turbine, and their wind turbine ...



## Glasgow Airport wind mapping consortium

The newly-formed wind energy consortium will see the development and deployment of a new type of wind technology, created by Katrick Technologies and supported by AGS and the University of Strathclyde. This will involve the installation of Katrick Technologies' dual-purpose

wind panel and sound barrier, which can produce carbon-neutral energy from ...



## Wind Panel testing at SSEH -- Katrick Technologies

Greentech innovator Katrick Technologies will be testing the prototype of its revolutionary Wind Panel technology at the Silverstone Sports Engineering Hub located at the iconic Silverstone Circuit in Towcester, England.. The testing, which will take place from the 17th of August to 22nd, marks a crucial step in the development and validation of the Wind Panel, ...

## Bladeless Honeycomb Turbines Set to Transform Urban Landscapes

This Bladeless Wind Turbine Design is Easy to Implement Anywhere (source Katrick Technologies) Katrick Technologies has further enhanced its innovation with the introduction of the Wind Panel. Developed in partnership with The Manufacturing Technology Centre (MTC), the Wind Panel captures a broader range of wind speeds and frequencies.



## Microgrids , The future of green energy -- Katrick Technologies



They are also limited to a specific range of wind speeds and frequencies due to their height and configuration. Katrick Technologies has developed a novel form of wind power generation that can be integrated into microgrids of varying scales. The hexagonal panels use patented aerofoil technology to convert wind into mechanical vibrations which

## Katrick Technologies Advances Wind Energy

Like other renewable energy sources, including traditional wind turbines and solar panels, Katrick's Wind Panel technology does not use fossil- or carbon-based fuel to produce electrical output. Additionally, due to its design and accessibility, the technology can be placed in regions where wind turbines and solar panels are not practical.



## Company unveils bladeless 'honeycomb' wind turbines

Katrick Technologies has a solution: Their new honeycomb-shaped wind turbines are significantly more compact, making them better suited for urban areas with the capability to sit on already

## Katrick Technologies completes testing milestone on ...

Katrick Technologies' Wind Panel is a market-first wind-power-generation technology that addresses the limitations of conventional wind turbines by capturing a far wider range of wind

speeds and frequencies at lower levels ...



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