



The wind turbine wall is customisable and designed to be as unobtrusive as possible | Photo source Joe Doucet

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## DESIGNER CREATES BESPOKE WIND TURBINE WALL FOR HOME USE

 AGRICULTURE & ENERGY

### The installation can be scaled up or down and can fully power a home

**Spotted:** Designer Joe Doucet has created a wind turbine wall that brings wind power to the home. The design concept uses off-the-shelf wind turbine generators set within a 2.4 metre by 7.6 metre frame. The size and colour of the installation, as well as the shape of the blades, can be personalised. Installed vertically, the turbines take up minimal space and are intended to be as inconspicuous and simple to use as possible.

Given the endless options for customising the wall, users can find the perfect size and shape for their space, whether home or business. Using an aluminium frame as a base for custom cladding, the turbine structure is relatively lightweight and easy to manoeuvre into position. Owners can scale it up or down as needed, with the initial size capable of producing more than 10,000 kilowatt hours per year, a volume of energy that is enough to power a typical family home.

The turbines drive a small generator, creating electricity that can be used directly, stored in a battery, or sold to the local grid. Depending on an owner's use, the turbine wall could generate both electricity and income.

Additionally, a key component of the design aesthetic is the ability to choose from a variety of shapes of turbine blades, with each option providing a distinct look and feel to the wall. Doucet is currently in discussion with potential producers and is working towards a sooner-rather-than-later timeline for bringing the product to market.

Springwise is spotting numerous innovations helping to shape the next generation of sustainable energy sources. These include turbines designed for **high-speed winds** and others focusing on aesthetics and **volume**.

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## **Takeaway:**

Joe Doucet's innovations have featured in Springwise before, including his 3D-printed public safety bollards that double as visually pleasing outdoor seating and his luxury jeans with integrated technology and safety features. Incorporating technology into the everyday can keep early adopters interested and excited while also helping those more hesitant with the speed of change to become more comfortable with new ways of doing things. Injecting a bit of fun into the everyday is also a neat way for both the designer and user to improve some of the humdrum or more routine aspects of life. The new turbine wall could also bring wind power within the control of individuals – without destroying the aesthetic of their homes.