

think future



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venturi windmill

donqi.ie

Let the donQi work for you

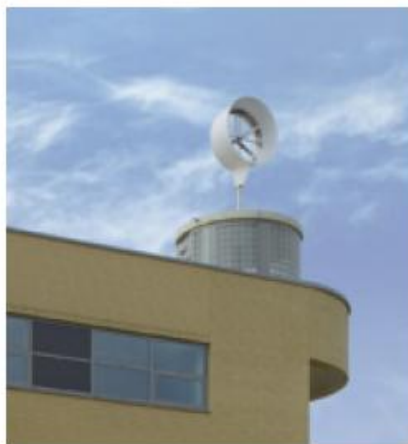
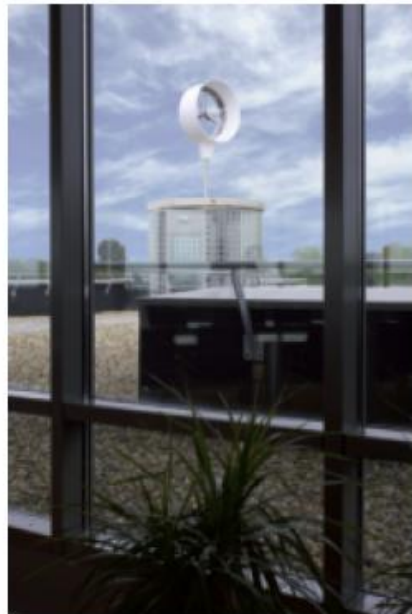
The donQi Venturi Windmill is a high performance windmill using modern aero-dynamic techniques.

It performs in light breezes and violent storms with practically no noise and an outstanding energy production. With every part designed to function maintenance free for at least 15 years it features a silencer and a unique venturi design that can generate up to 50 % more electricity than traditional windmills.

Operation and efficiency

The donQi Venturi Windmill with its high tech design performs optimally in both urban and rural environments. The energy generated is maximised by its unique ability to accelerate wind at low speeds, making it perform from 2 Bft with wind angles of up to 40 degrees. Its construction is strong enough to produce electricity in severe storm force gales (11Bft). It can withstand wind speeds of up to 200 km/h. The unique feature of this patented windmill is the 'venturi effect' created by the horizontal tubular section which straightens and accelerates the wind.

This windmill is very efficient despite its small size, achieving a typical output of 1500-2500 kWh per year at average Irish wind speeds of 5 - 6 m/s (force 4), and a potential of 3500 kWh at 7 m/s. With a limited height it fits well in an urban landscape. Visually it is pleasing and unobtrusive. Designed for the urban environment, it is also the perfect solution for the most windy rural or coastal location.



Its state of the art technology keeps noise and resonance to an absolute minimum, while the slim, aesthetically pleasing structure of the windmill casts very little shadow. It can be placed on flat roofs, attached to a wall or mounted on a free standing mast.

The windmill has a diameter of less than two meters and can be installed on houses and offices without environmental permits. Depending on average ambient wind speeds and current energy consumption, it can generate at least 50% of the electrical energy requirements of the home or office. In fact, the donQi Venturi Windmill is so efficient it can provide a full return on investment, without any subsidies, in less than 10 years.

donQi, Dutch Aerospace Laboratory and the Technical University Delft

donQi Venturi Windmill is developed in collaboration with the Dutch Aerospace Laboratory and under supervision by the Wind energy section at the Aerospace Faculty of the Technical University of Delft, and several renowned Dutch industries. Senter Novem of the Dutch Department of Economic Affairs supports the development of the donQi Windmill.



Would you like more information?

The donQi Venturi Windmill is available in Ireland from August 2010.

Look also on our website
donqi.ie

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independent energy

