

Is kitenergy a viable alternative to wind power?

Kitenergy can represent one or the only economically convenient solution in many sites where present wind power technology cannot grant the expected return of investments. Scarce wind resources, land or marine exclusion criteria, and complex logistics do not pose a limit anymore. 1. 2. 3.

Does KiteGen have a wind kite?

KiteGen's wind kite. Source: KiteGen Venture SpA () Italian oil and gas contractor Saipem SpA (BIT:SPM) has agreed to back the kite-based, high-altitude wind power generating systems patented by KiteGen Venture SpA.

How can kitenergy achieve a higher power density than current wind-farm installations?

Kitenergy's technology can achieve a higher power density than current wind-farm installations. On a given site, as a function of wind variations in speed and direction, the energy produced by a wind generator at the nominal power in a single year is measured by its Capacity Factor (CF).

The key points of such a technology are described and the design of large scale plants is investigated here, in order to show that Kitenergy technology has the potential to provide large quantities of renewable energy with competitive cost with respect to fossil sources.

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The engineering research and development organisation Sequoia Automation of Turin in Italy is testing a prototype under its KiteGen brand which could produce the same amount of energy as a wind farm with four turbines.

The kites operate high enough to not be influenced by the Planetary Boundary Layer. Depending on the tether length, we can operate up to 600 m above ground level. We operate at a higher altitude compared to similar size windmills because the winds are stronger and more constant.

These also symbolize three key elements: the sky, from which we generate clean, renewable energy; land, where we set our state-of-the-art equipment; and, last but not least, the sea, where our future projects will take shape. A bold statement, representing our essence and our future.

A breakthrough innovation to overcome current renewable energy solutions. Light, dynamic and intelligent machines to exploit high-altitude wind. Find investment information and connect with Kitenergy Srl, a Turin, Piedmont, Italy based Clean Technology startup.

Web: <https://ecomax.info.pl>

