

Change Is In The Wind With Power From Optiwind's Turbines

When most people think of wind turbines, they picture multiple industrial sized machines stretching towards the horizon on sparse, windswept prairies. What they don't often picture, however, is a wind turbine at their place of work, producing enough clean, renewable electricity to power their operations while signaling to the world that they care not only about their bottom line but about the environment around them as well.

Well, now they can. Optiwind Corp has taken the prin-

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ciples of these industrial turbines and reconfigured them for commercial use. The dimensions have been reigned in to make a shorter, more compact unit. The large, gear turning blades have been replaced with a series of smaller, quieter direct drive fans. And the lower wind speeds of Connecticut have been accelerated into these fans with by a silo shaped structure that helps to produce up to \$75,000 of clean, renewable electricity every year.

While wind farms are commonly recognized as the lowest cost renewable energy source for large scale energy production, individually sited turbines using conventional 3-bladed designs are often not cost competitive with the grid. This is because this style of turbine was designed to be installed in large numbers in locations with very high winds, sharing the cost of installation and increasing the amount

of power produced. Most people, however, tend to live and work in areas that are less windy. This means that in order for a wind turbine to be erected at a business, school or other large power user, it needs to be both inexpensive to install and maintain and capable of generating significant power, even in relatively low wind conditions. This is the breakthrough that Optiwind has pioneered.

Known as Compact Wind Acceleration Turbines (CWATs), Optiwind's turbines come in two different sizes — 150kW and 300kW, making them ideally suited to installation at schools, manufacturing plants, office buildings, retail locations, water treatment plants, and other similar sized facilities. With ultra quiet, safe, and extremely low maintenance operation, they can help to significantly reduce power bills — especially as the cost of grid sourced electricity continues to rise year after year. With a rated life of 25 years, this adds up to significant lifetime savings.

Environmentally, each Optiwind CWAT also has a dramatic impact. Over its 25 year life, an average 300kW CWAT will generate as much electricity as burning 25,000 barrels of oil. Replacing this oil based electricity with wind power would prevent the emission of over 8,000 tons of carbon dioxide into the atmosphere. In order to remove that much carbon dioxide from the atmosphere, you would have to plant over 100,000 new trees!

Based in Torrington, Optiwind is a full service wind energy supplier. They can help you determine if your locations have adequate wind and space for a turbine and what your financial return would be. Next, they can lead you through the permitting, government grant and financing stages prior to installing, monitoring, maintaining and servicing your CWAT. To learn more about Optiwind and how you too can benefit from capturing your own wind power, please visit www.Optiwind.com or call (860) 866-4488 x112. ■

Optiwind

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Product or Service: Full Service Wind Energy Supplier

Year Founded: 2007

