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Mass Megawatts Wind Power provides an environmentally attractive choice for the wind energy investor

by Grace C. Visconti

Mass Megawatts Wind Power Inc. [MMMW-OTCBB] brings their revolutionary wind power technology, the Multi-Axis Turbo system (MAT), to the renewable energy marketplace. MAT is the result of a team effort and uses several innovations to reduce the cost of wind power giving them an edge over conventional wind turbine producers. Large electricity users and utility companies are their biggest purchasers.

The company emerged on the stock market in 2001. Jon Ricker, Chief Executive Officer, is confident that the company will move to the TSX as the technology grows in popularity.

MAT is capable of producing electricity at a reduced cost, 30% lower than other competing wind power equipment. The philosophy that shorter wind turbines that can harvest lower wind speeds at a lower cost equals higher profits, gives MAT a competitive advantage.

"We use many small, off-the-shelf parts so the company is not at the mercy of the vendors for custom made parts," explains Ricker. Additionally, the smaller blades use less material per kW rating compared to larger blades." Financial feasibility depends on the electricity price and the wind speed of specific locations. A big benefit of modular technology for businesses and communities is economies of scale.

This 'Smart Grid' Energy Solution meets the localized 'distributed energy model' that the US Federal and State agencies use to promote energy independence. MAT's modular technology is adaptable for small users and large utilities alike as the modular design puts the sizing decision

in the hands of consumers, not vendors. The equipment can be sized to the needs and budgets of users to deliver the right amount of wind power generated energy to communities and businesses.

With a height of 50 feet to a maximum of 80 feet high, wind power generation is more productive because it works with lower wind speeds compared to taller towers that require high wind speeds for optimum power generation. A significant, added benefit of the smaller wind turbines is that they are more aesthetically acceptable to communities. The units are durable and can withstand winds of up to 120 mph. Because the mechanical and electrical components are located close to ground level, they are not as vulnerable to damage and maintenance costs are 50% less than the wind power industry's average.

For communities and businesses that choose to install MAT technology, computer generated assessment studies can be done below 100 feet. These studies can track the units' efficiency and are beneficial because more data is collected at lower heights. Assessments for tracking wind and speed include detailed monitoring on an hourly, daily, and monthly basis; predictability reduces risk. As these stats assess wind generation at intricate levels, projections are easier and reduce the risk of financing.

Though MAT technology works with wind to create optimum energy, the efficiency "depends on electricity prices and the wind speed of each location," explains Ricker.

The top five selling points of MAT technology for the investor are that it is

nonpolluting, quiet, bird friendly with a low cost and a high rate of return. Mass Megawatts will construct 2,800 MAT units within six years and service will occur as soon as they are installed with gross revenues of \$112,000,000 and after tax profits of \$56,000,000 before Federal Production Tax credits are applied.

Investors will be able to use Direct Grants after new US federal legislation was passed to promote and fast track clean energy solutions. Through Direct Grants, investors will be allowed to make a 30% down payment, secure 100% low-cost financing, take millions of dollars in depreciation in five years and own a multi-million dollar income stream for 20 years. After obtaining the Federal Tax Credit that pays 30%, Mass Megawatts will finance the remaining 70% at 4% interest for the next 20 years on a risk free basis. This means that if wind power is not generated at projected levels, debt payment is reduced to compensate for the reduced production.

The options for investors in the renewable energy marketplace are diverse, exciting, and lucrative for green energy. Wind energy is a power source that is growing in popularity worldwide and with new technology the sky is the limit. For Mass Megawatt Wind Power, the journey has just begun. ■