



KATRU ECO INVENTIONS WIND POWER TURBINE “IMPLUX 225” DELIVERS RECORD 86% EFFICIENCY IN FINAL TESTS

THURSDAY 30 OCTOBER 2014 – Press Release

Katru Eco Inventions announced today that it has completed its final performance testing and analysis to confirm the very high efficiency of its ground breaking IMPLUX Omni-Directional Wind Power Turbine.

The series of tests were carried out from late 2013 in Dumaresque Island in the Manning River delta near Taree in country New South Wales. Utilizing results from each series of tests new rotor airfoil blades were designed, built and tested to prove the full potential of the design. The testing also proved many of the unique characteristics of the IMPLUX Turbine.

As part of the Australian Technology Competition group, Katru will be joining a trade mission to Shenzhen, Guangzhou, Nanjing, Shanghai (China) and Seoul (Korea), from 16-26 November to meet with potential partners, customers and investors connected through an individual business matching service in each location by Austrade.

Varan Sureshan, CEO of KATRU said *“We were not expecting to achieve IMPLUX’s high potential this early. We were pleasantly surprised as the performance improved throughout the tests to finally reach turbine efficiencies nearly double our initial predictions from computerised simulations carried out in conjunction with Honda F1 in UK. This proves the importance of practical full scale testing.*

Although excited by a progression of good results, we wanted to wait till the final values of over 86% were independently verified by experts in the global wind energy field.

A new theory in wind power which arose out of our early work was presented in 2008 at the European Wind Energy Conference by wind consultants GL Garrad Hassan. We have now been advised that our final testing methodology also sheds new light for testing methods for wind turbines and that this could lead towards better official standards.

It has been a long road to prove the technology from the lab bench to the real field. Funding to complete the testing was hard to come by especially in recent years. But we were lucky in January to win a \$189,000 Clean Technology Innovation Grant from Ausindustry which got us over the line. The great cooperation from businesses and well wishers in Taree area helped further.

With patents secured in major markets such as USA, China and Japan we believe the technology will have great potential and the trade mission will be a great opportunity for us to introduce our unique technology to the world. We are indeed thrilled”.

Katru Eco Inventions has been developing the unique and globally patented IMPLUX Wind Power Turbine which is a highly efficient and safe urban wind solution to generate power directly on-site for use on multi-storey buildings in cities and open spaces.