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Cyclone Power Technologies Signs Teaming Agreement to Advance Biomass-to-Power System

POMPANO BEACH, FL, Oct. 14, 2009. October 20, 2009. Cyclone Power Technologies Inc. (Pink Sheets: CYPW) and Robotic Technology Inc. (RTI) have entered into a Teaming Agreement to advance the development and commercialization of Cyclone's vegetative biomass-to-power engine system as it can be applied to advanced robotic platforms.

Cyclone's prototype biomass-to-power generator is a self-contained, compact system that utilizes the company's award-winning waste heat engine (WHE) to produce power from plant-based biomass combustion. RTI is currently developing the Energetically Autonomous Tactical Robot (EATR) under a Phase II SBIR project sponsored by the Defense Advanced Research Projects Agency (DARPA) that will locate, harvest and process for the engine suitable vegetation in the environment to accomplish a variety of military missions without the need for manual or conventional re-fueling.

There are also numerous commercial applications for such an intelligent biomass-to-power system in border patrol, agriculture, forestry, natural disaster clean-up and recovery, and power generation in industrial or large-scale farming and logging settings.

"We look forward to advancing the combined technologies of Cyclone and RTI, and working towards the broad commercialization of our products over multiple industries and applications," stated Dr. Robert Finkelstein, President of RTI. "Cyclone has provided a solid foundation for generating power from the vegetative biomass that EATR can find and harvest to fuel it."

At the heart of Cyclone's current biomass-to-power system for the proof-of-concept EATR is the patent pending WHE, a six-cylinder Rankine cycle external heat engine capable of generating up to 15HP of mechanical power. An attached vegetative biomass combustion chamber produces up to 600°F of heat to run the WHE at peak performance. An alternator or generator then converts mechanical energy from the engine into as much as 10kW of usable electricity. The entire system, including engine, heat exchangers, burner, electrical alternator/generator, and fuel hopper is mounted on a pallet for portability.

A higher horsepower, more compact version of the engine system is planned for the Phase III Commercialization of the EATR, to be placed within a prototype EATR vehicle. To view Cyclone's biomass-to-power engine system, visit: www.cyclonepower.com/video.html.

CORPORATE PROFILE

Cyclone Power Technologies is the developer of the award-winning Cyclone Engine - an eco-

friendly external combustion engine with the power and versatility to run everything from portable electric generators and garden equipment to cars, trucks and locomotives. Invented by company founder and CEO Harry Schoell, the patented Cyclone Engine is a modern day steam engine, ingeniously designed to achieve high thermal efficiencies through a compact heat-regenerative process, and to run on virtually any fuel - including bio-diesels, syngas or solar - while emitting fewer greenhouse gases and irritating pollutants into the air. Currently in its late stages of development, the Cyclone Engine was recognized by Popular Science Magazine as the Invention of the Year for 2008, and was presented with the Society of Automotive Engineers' AEI Tech Award in 2006 and 2008. Additionally, Cyclone was recently named Environmental Business of the Year by the Broward County Environmental Protection Department. For more information, visit www.cyclonepower.com.

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