PyroDelta Inc. Completes Working Prototype of Automobile Thermoelectric Radiator

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The device is being retrofitted into a vehicle and will be presented in April; PyroDelta has posted video of the prototype design.

First Tellurium Corp. (CSE: FTEL, OTC: FSTTF) reports that its majority-owned subsidiary PyroDelta Inc. has completed a prototype for its tellurium-based automobile thermoelectric radiator (as reported in September 2024). The device, which is tubular in design, is being retrofitted into a combustion engine vehicle and will be presented to the public in April. A video showing the prototype and explaining its working concept can be viewed here.

The PyroDelta thermoelectric radiator generates electricity from the heat differential of hot radiator liquid passing through a thermoelectric pipe while air cools it from the outside. It is designed to power all electrical devices in an automobile, making an alternator obsolete and saving significant amounts of fuel. The robust device can withstand temperature extremes greater than any other thermoelectric generator on the market, making it ideal for the high temperatures encountered in a radiator.

"The prototype has functioned exactly as designed in our testing," said PyroDelta Chief Engineer Michael Abdelmaseh. "We are thrilled with the results, and we believe this could revolutionize electric power generation for automobiles."

Abdelmaseh noted that improved efficiencies for combustion engines are more important than ever. "With the slowdown in the adoption of electric vehicles, anything that can save fuel, and thereby reduce greenhouse gas emissions from gasoline and diesel vehicles during the transition to EVs, will be crucial for the auto industry."

PyroDelta is also working on a thermoelectric generator that would capitalize on temperature differentials around batteries in EVs to save energy and extend the driving range.

"We're very pleased with what PyroDelta has accomplished in a short amount of time," said First Tellurium President and CEO Tyrone Docherty. "We look forward to the rollout with a demonstration vehicle in April. We believe this cylindrical design and technology will open many new markets for the device, and we are already getting inquiries from other industries that may benefit from it."

About First Tellurium Corp.

First Tellurium's unique business model is to generate revenue and value through mineral discovery, project development, project generation and development of tellurium-based technologies.

First Tellurium is listed on the Canadian Stock Exchange under the symbol "FTEL" and on the OTC under the symbol "FSTTF". Further information about FTEL and its projects can be found at www.firsttellurium.com.

On behalf of the board of directors of

First Tellurium Corp.

"Tyrone Docherty"

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