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P.O. Box 18086, 1215C 56th St.
Delta, BC Canada V4L 2M4
www.firsttellurium.com

CSE: **FTEL**
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NEWS >>>

# First Tellurium Provides Update on Thermoelectric Technology

## Aggressive interest from the heavy-lift drone industry has provided new opportunity for market entry.

**Vancouver, BC, Canada, Sept 4, 2025** – First Tellurium Corp. (CSE: **FTEL**, OTC: **FSTTF**) has provided an update on advancement of the tellurium-based thermoelectric generator technology under development by its majority-owned subsidiary PyroDelta Energy Inc. To date, PyroDelta has designed thermoelectric devices that can provide energy savings for automotive, AI data center, drones and other applications.

Over the past six weeks, PyroDelta has focused on building prototypes of the device that can extend the range and efficiency of high-capacity drones for industrial and defense applications. Meanwhile, discussions continue with automakers and AI data center providers to advance those opportunities.

“Due to recent interest and feedback from large drone manufacturers,” said First Tellurium President and CEO Tyrone Docherty, “PyroDelta is building prototypes that incorporate an electronically fuel-injected internal combustion engine with a specially designed exhaust system.”

PyroDelta Head Engineer Michael Abdelmaseh explained, “The exhaust features a flat mounting surface for our thermoelectric modules, enabling us to harvest waste heat and convert it into electricity. This power can be fed directly into a lightweight onboard battery to support critical electronics and ignition systems, while also improving fuel efficiency, payload capacity and drone range.”

PyroDelta is using this advanced technology to build devices for heavy-lift drones that handle payloads exceeding 200 lbs (90 kg). These devices are especially important for industrial and defense usage.

“We expect to present prototypes to manufacturers in September,” said Abdelmaseh. “Based on the inquiries we’ve received, we are designing the technology specifically for commercial, industrial, and military-grade platforms with extreme lifting capabilities. These applications would benefit most from extended range as well as more efficient fuel usage at higher altitudes. Our early R&D on several drone engine designs has produced exciting results, and I’m confident they will provide valuable efficiencies.”

“Our focus on the heavy-lift drone industry resulted from aggressive interest by several manufacturers,” said Docherty. “Considering the rapid growth in this sector, as well as government funding being provided by both the U.S. and Canada, we have expanded our focus to help meet this demand.”

According to Grand View Research, the global drone market size was estimated at US$64.32 billion in 2023, and it is projected to grow at a CAGR of 14.5% from 2024 to 2030, owing to various factors including advances in technology, broadening application portfolio across various industries, and plummeting costs of drone technology.

“While the automotive, AI data center and other sectors present amazing long-term opportunities,” added Docherty, “the drone industry has offered what we see as a much faster entry into the market. This will remain our focus for the shorter term.”

**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"*
Tyrone Docherty
President and CEO

For further information please contact:

**Tyrone Docherty**
604.789.5653
tyrone@firsttellurium.com

**X/Twitter**:
https://twitter.com/TelluriumCorp



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