



PyroGenesis' DROSRITE™ System Independently Validated by A World Leading Primary Aluminum Smelter

MONTREAL, Quebec (GlobeNewswire – April 9th, 2019) - PyroGenesis Canada Inc. (<http://pyrogenesis.com>) (TSX-V: PYR) (OTCQB: PYRNF) (FRA: 8PY), a TSX Venture 50@ high-tech company, (the "Company", the "Corporation" or "PyroGenesis") that designs, develops, manufactures and commercializes plasma atomized metal powder, plasma waste-to-energy systems and plasma torch products, announced today that its DROSRITE™ System has been validated by a world leading primary aluminum smelter (the "Smelter") as part of the process towards adopting the technology for use. After a preliminary due diligence of a system in operation at one of PyroGenesis' client's facility, a process analysis was performed to validate its viability.

PyroGenesis' DROSRITE™ system is a proven, salt-free, cost-effective, sustainable process for maximizing metal recovery from dross, a waste generated in the metallurgical industry. PyroGenesis' patented process avoids costly loss of metal, while reducing a smelter's carbon footprint and energy consumption, thus providing a high return on investment. The system has been designed to process and recover valuable metals such as aluminum, zinc and copper from dross. PyroGenesis sells DROSRITE™ systems, and provides tolling services worldwide. A tolling service arrangement is one in which a smelter provides dross to a third party to be processed for a fee either on or off site.

PROCESS VALIDATION BY A WORLD LEADING PRIMARY ALUMINUM SMELTER

"The Smelter is one of the most well respected and competitive primary aluminum smelters in the world to which other smelters in the industry look to for guidance. This report is the most significant development since receiving the first DROSRITE™ sale," said Mr. David D'Acoust, Sales Manager – DROSRITE™ of PyroGenesis. "The report effectively confirms the capabilities of the DROSRITE™ system which we have been advertising and, in part, mitigates the normal concerns a new technology has when penetrating a marketplace."

ACCELERATING DROSRITE™ SYSTEM'S MARKET PENETRATION

"This is a very important development for PyroGenesis' DROSRITE™ system as it is timely in that our business development team and Japanese partner continue to advance DROSRITE™ opportunities with some of the largest primary aluminum smelters around the world," commented Mr. P. Peter Pascali, President and CEO of PyroGenesis. "Seen as a leader amongst leaders, this Smelter is looked upon as an example to follow within the industry. The Smelter continuously demonstrates its commitment to be more sustainable and responsible in its own operations and DROSRITE™, being a salt-free and environmentally-friendly process, integrates itself well with the Smelter's environmental objectives."

About PyroGenesis Canada Inc.

PyroGenesis Canada Inc., a TSX Venture 50® high-tech company, is the world leader in the design, development, manufacture and commercialization of advanced plasma processes and products. We provide engineering and manufacturing expertise, cutting-edge contract research, as well as turnkey process equipment packages to the defense, metallurgical, mining, advanced materials (including 3D printing), oil & gas, and environmental industries. With a team of experienced engineers, scientists and technicians working out of our Montreal office and our 3,800 m² manufacturing facility, PyroGenesis maintains its competitive advantage by remaining at the forefront of technology development and commercialization. Our core competencies allow PyroGenesis to lead the way in providing innovative plasma torches, plasma waste processes, high-temperature metallurgical processes, and engineering services to the global marketplace. Our operations are ISO 9001:2015 certified, and have been since 1997. PyroGenesis is a publicly-traded Canadian Corporation on the TSX Venture Exchange (Ticker Symbol: PYR) and on the OTCQB Marketplace. For more information, please visit www.pyrogenesis.com

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