

PyroGenesis Signs Non-Disclosure Agreement with Second Global Aircraft Engine Manufacturer

MONTREAL, Quebec, Dec. 04, 2017 -- PyroGenesis Canada Inc. (<http://pyrogenesis.com>) (TSX-V:PYP) (OTCQB:PYRNF), a high-tech corporation (the "Corporation" or "PyroGenesis") that designs, develops, manufactures and commercializes plasma waste-to-energy systems and plasma torch products, announces today that it has signed a non-disclosure agreement ("NDA") with a second global aircraft engine manufacturer. The name of the Client has been withheld and will remain confidential for competitive reasons.

"We are very happy to have signed an NDA with a second global aircraft engine manufacturer in less than a month, and we look forward to developing a more substantive relationship with them," said P. Peter Pascali, President and CEO of PyroGenesis. "I must once again caution readers not to draw any premature conclusions from this announcement. Though, once again, it does signal an interest in our capabilities, and yes, that interest does come from a very discerning, demanding, and sophisticated party, we are still at the very preliminary stages and there is no guarantee that anything of any commercial value will materialize from these efforts. We feel that these recently concluded NDAs are material in the sense that they confirm both our strategy to become a powder producer to the additive manufacturing industry, as well as our premise that there is a significant demand within the additive manufacturing industry for our products."

PyroGenesis is the inventor of Plasma Atomization – a plasma-based process that produces small, spherical, metal powders for the Additive Manufacturing ("AM") industry, particularly 3D printing, and which has become the gold standard.

The Corporation recently announced the successful completion of the ramp-up of its first (1st) plasma atomization system since announcing, in 2015, that it would become a supplier of powders to the AM industry. During ramp-up, the Corporation not only received several sample purchase orders, but also developed new Intellectual Property which effectively allows the manufacture of very narrow particle size distributions, at higher production rates, with little-to-no waste. The Corporation feels that this breakthrough could be even more game changing than its original Plasma Atomization patent.

About PyroGenesis Canada Inc.

PyroGenesis Canada Inc. is the world leader in the design, development, manufacture and commercialization of advanced plasma processes. PyroGenesis provides technical and manufacturing expertise, cutting-edge contract research, as well as turnkey process equipment packages to the defense, metallurgical, mining, additive manufacturing (3D printing), oil & gas, and environmental industries. With a team of experienced engineers, scientists and technicians working out of our Montreal office and 3,800 m² (approx. 40,900 square feet) manufacturing facility, PyroGenesis maintains its competitive advantage by remaining at the forefront of technology development and commercialization. Its core competencies allow PyroGenesis to lead the way in providing innovative plasma torches, plasma waste processes, high-temperature metallurgical processes, and technical services to the global marketplace. Its operations are ISO 9001:2008 certified, and have been ISO certified since 1997. PyroGenesis is a publicly-traded Canadian corporation on the TSX Venture Exchange (Ticker Symbol: PYP) and on the OTCQB Marketplace (Ticker Symbol: PYRNF). For more information, please visit www.pyrogenesis.com

About PyroGenesis Additive.

PyroGenesis Additive, a division of PyroGenesis Canada Inc., the inventor of Plasma Atomization, specializes in providing plasma atomized spherical metallic powders with some of the most spherical, pure, dense, and highly flowable properties, which are highly sought after in the Additive Manufacturing ("AM") Industry. With PyroGenesis' extensive plasma expertise, PyroGenesis Additive is not only able to convert traditional metals and alloys into high purity spherical powders, but also create specialty powders on an exclusive basis. The versatility of the process allows PyroGenesis Additive to quickly adapt to a customer's needs both in terms of Particle Size Distribution (PSD), and type of metal powders required. The metal powders produced by PyroGenesis Additive are ideal for the additive manufacturing, aerospace, biomedical, thermal spray, and metal injection molding industries.

This press release contains certain forward-looking statements, including, without limitation, statements containing the words "may", "plan", "will", "estimate", "continue", "anticipate", "intend", "expect", "in the process" and other similar expressions which constitute "forward-looking information" within the meaning of applicable securities laws. Forward-looking statements reflect the Corporation's current expectation and assumptions, and are subject to a number of risks and uncertainties that could cause actual results to differ materially from those anticipated. These forward-looking statements involve risks and uncertainties including, but not limited to, our expectations regarding the acceptance of our products by the market, our strategy to develop new products and enhance the capabilities of existing products, our strategy with respect to research and development, the impact of competitive products and pricing, new product development, and uncertainties related to the regulatory approval process. Such statements reflect the current views of the Corporation with respect to future events and are subject to certain risks and uncertainties and other risks detailed from time-to-time in the Corporation's ongoing filings with the securities regulatory authorities, which filings can be found at www.sedar.com, or at www.otcmarts.com. Actual results, events, and performance may differ materially. Readers are cautioned not to place undue reliance on these forward-looking statements. The Corporation undertakes no obligation to publicly update or revise any forward-looking statements either as a

result of new information, future events or otherwise, except as required by applicable securities laws.

*Neither the TSX Venture Exchange, its Regulation Services Provider (as that term is defined in the policies of the TSX Venture Exchange) nor the **OTC Markets Group Inc.** accepts responsibility for the adequacy or accuracy of this press release.*

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