



PyroGenesis Announces Completion of its Cutting-Edge Additive Manufacturing Metal Powder Production Facility.

MONTREAL, Quebec (GlobesNewswire – October 16th, 2018) - PyroGenesis Canada Inc. (<http://pyrogenesis.com>) (TSX-V: PYR), (the "Company", the "Corporation" or "PyroGenesis") a Company that designs, develops and manufactures plasma waste-to-energy systems and plasma torch systems, is pleased to announce today the completion of its cutting-edge Additive Manufacturing ("AM") metal powder production facility.

This state-of-the-art facility will be strictly dedicated to the production of plasma atomized Ti-6Al-4V powders, primarily targeting the aerospace and biomedical industries.



Figure 1. PyroGenesis' Ti-6Al-4V powders

“We are very excited about having completed this milestone. It puts PyroGenesis squarely on the map as a quality supplier of Ti-6Al-4V powder for the AM industry,” said Mr. Massimo Dattilo, Vice President of PyroGenesis Additive. “In parallel, we are also investigating other materials which can be produced with our other reactors, currently in our main facility.”

This facility now (i) houses a new plasma-based atomization unit, incorporating some of the previously announced advances, (ii) inventory storage, and (iii) logistics operations. These Step 1 innovations have reduced capital cost significantly. Future innovations will, once completed, increase yield and production rates.

“This next logical step of incorporating some of the previously announced improvements into a cutting-edge facility is now complete,” said Mr. P. Peter Pascali, President and CEO of PyroGenesis. “After investing over \$2.5M into this facility, all that remains is to incorporate post treatment equipment for it to be a stand-alone facility.”

Of note, the facility is ISO 9001:2015 certified and is on track to be AS9100D (Aviation, Space, and Defense) certified by year-end. Upon receipt, PyroGenesis will then pursue ISO 13485 (Medical devices).

Separately, PyroGenesis Additive will be exhibiting at Formnext in Frankfurt, Germany between November 13th and 16th (Hall 3.1 Booth A72). Contact us to book an appointment, or meet with us there.

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. 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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