Oil and Gas sector discards more lithium than anyone in the world produces, MGX Minerals has Petrolithium solution

MGX Minerals Inc. (CSE:XMG) (FKT:1MG) (OTC:MGXMF) to begin cash-flowing with first commercial Petrolithium system.

NEW YORK, NY, UNITED STATES, February 7, 2018 /EINPresswire.com/ -- MGX Minerals Inc. is a multifaceted Canadian based mining and clean technology focused on accelerating emerging energy and energy commodity technologies that disrupt the status quo and is at the initial phase of commercialization with their Petrolithium technology targeting the extraction of lithium from oilfield brine and wastewater.

> MGX's technology was a finalist for the Most Disruptive Technology in the World award by Katerva, and the Company is now monetizing this technology in 2018."
>
> *Technology MarketWatch Journal*

CEO Jared Lazerson, was recently interviewed this February-2018 by S&P Global Platts journal, a leading independent provider of information, benchmark prices and analytics for the energy and commodities markets. The full S&P Global Platts' journal article may be viewed at https://www.platts.com/latest-news/metals/newyork/feature-extracting-lithium----todays-gold----26884400 online.

Highlights from Platts interview/journal article:
- Lithium is one of the main ingredients of the lithium-ion battery used for electric vehicles and has been on a bull run since 2015.

- MGX Minerals has "first-mover" advantage with a "low-cost, low-energy, modular" process that rapidly concentrates lithium and other minerals from the brine associated with oilfields and industrial wastewater. MGX's CEO stated "We recognized that the oil and [natural] gas sector produces more lithium than anyone in the world, but was throwing it out."

- MGX Minerals lithium extraction technology is able to produce lithium in a day, versus the 18-24 months traditional solar evaporation takes.

- MGX's proprietary process employs proprietary nanotechnology/advanced nanomaterials, specifically nanofilters coated with specialized re-agents for each element, used along with nanoflotation processes. This nanofiltration approach allows the separation of oil, ore, water, and other physical pollutants. The result is a low-cost, quick, high-recovery process that is easily scalable.

- The company has acquired more than 2 million acres of brine-bearing formations in North America and just recently ventured into Chile (where there is higher value -- potentially up to 1,000 ppm of lithium). Additionally, MGX, via its operating partner, is actively advancing its Paradox Basin Petrolithium Project in Utah with 3D geophysical surveys -- MGX stated "The project represents the

first large scale integrated petroleum and lithium exploration project in the United States and is located proximate to the Lisbon Valley oilfield within the Paradox Basin, which has shown historical brine content as high as 730 ppm lithium."

- MGX has a number of partnerships in place with oil and gas operators to conduct well sampling. Company presentations note that nearly 20 million barrels of oil and gas are produced each day throughout North America. The US accounts for about 65% of this output, followed by Canada (25%) and Mexico (10%). As oilfields age, brine-to-O&G ratios rise exponentially; for every unit of O&G produced, four to five units of brine are pumped, and the North American O&G industry generates an estimated 80 million-100 million barrels of brine daily.

Additionally, MGX Minerals is prepared for the shifting energy economy that's emphasizing clean technology. Besides the advanced brine processing technology (discussed in the interview noted above). The Company is also advancing mass energy storage zinc-air battery systems. MGX's innovative regenerative zinc-air flow battery technology is immune to the growth of zinc dendrites which have traditionally plagued zinc-air flow batteries, and the Company has begun commercial development for the mass production of its scalable 20kWh capacity zinc-air mass storage battery. Unlike conventional batteries, which have a fixed energy/power ratio, MGX’s technology uses a fuel tank system that offers flexible energy/power ratios and scalability. The storage capacity is directly tied to the size of the fuel tank and the quantity of recharged zinc fuel, making scalability a major advantage of the flow battery system. In addition, a further major advantage of the zinc air flow battery is the ability to charge and discharge simultaneously and at different maximum charge or discharge rates since each of the charge and discharge circuits is separate and independent. Other types of standard and flow batteries are limited to a maximum charge and discharge by the total number of cells as there is no separation of the charge and discharge components.

The following URLs have been identified for further DD on MGX Minerals Inc.:
- Company website: https://www.mgxminerals.com
- SEDAR filings: https://sedar.com/DisplayProfile.do?lang=EN&issuerType=03&issuerNo=00033313
- Recent Technology Journal article: http://technologymarketwatch.com/xmg.htm

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