

HPQ NANO Receives First Order for Spherical Nano Silicon Material from Major Automobile Manufacturer

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MONTREAL, Oct. 22, 2020 - Innovative silicon solutions provider [HPQ Silicon Resources Inc.](#) (TSX-V: HPQ; FWB: UGE; Other OTC : URAGF) through its wholly owned subsidiary, HPQ Nano Silicon Powders inc, is pleased to announce today that the major automobile manufacturer that demonstrated an interest in the Spherical Nano Silicon powders to be produced by the *PUREVAP™ Nano Silicon Reactor* (Sept. 30 2020 release) has submitted to HPQ NANO a formal Purchase Order for the material. This represent HPQ NANO first ever nanopowders order. The manufacturer is well aware that HPQ NANO will only fulfill this first order in December 2020 and, as such, this order is simply a way for them to guarantee to be first in queue for the material. The automobile manufacture's name shall remain anonymous for competitive and confidential reasons.

INTEREST IN OUR SPHERICAL NANO SILICON POWDERS IS JUST STARTING!

HPQ NANO is looking forward to the December 2020 start of the *Gen1 PUREVAP™ NSiR* reactor in order to start delivering material as we work to keep up with the expected strong interest in our Nano Silicon products.

This is indeed significant news. To have piqued the interest of a major industrial player so early on, and to the point where they have sent us a formal purchase order for product, before production, just to insure their first mover position speaks volumes about where we are and what we are doing, said Bernard Tourillon, President & CEO of HPQ Silicon and HPQ NANO. *This validate our strategic decision to enter this space. We are extremely proud as a Company to be at this table at this unique time. However, I must caution investors that although this order signals interest in our unique products, we are still at the very preliminary stages and there is no guarantee that anything of commercial value will materialize from these efforts. It does however demonstrate the potential for new and exciting advances by HPQ NANO in the silicon battery space.*

This is a remarkable achievement, and one which clearly underscores both the significant underlying interest in such powders and, as such, the potential impact this product offering could have on the industry, said P. Peter Pascali CEO and Chairman of PyroGenesis Canada Inc. *As technology provider we would be the first to say that nothing is guaranteed. In every new application there will always be challenges along the way, both anticipated and unanticipated. With that in mind, we are happy to note that at this point in time we see nothing that should prevent us from successfully producing the desired powders using PUREVAP™ Nano Silicon Reactor.*

About Silicon

Silicon (Si), also known as silicon metal, is one of today's strategic materials needed to fulfil the Renewable Energy Revolution and the decarbonization of the economy presently under way. Silicon does not exist in its pure state; it must be extracted from quartz (SiO₂), in what has historically been a capital and energy intensive process.

About HPQ Silicon

[HPQ Silicon Resources Inc.](#) (TSX-V: HPQ) is a Canadian producer of Innovative Silicon Solutions, based in Montreal, building a portfolio of unique high value specialty silicon products needed for the coming RER.

Working with PyroGenesis Canada Inc. (TSX-V: PYR), a high-tech company that designs, develops, manufactures and commercializes plasma - based processes, HPQ is developing:

- The *PUREVAP™ Quartz Reduction Reactors* (QRR), an innovative process (patent pending), which will permit the one step transformation of quartz (SiO₂) into high purity silicon (Si) at reduced costs, energy input, and carbon footprint that will propagate its considerable renewable energy potential;
 - HPQ believes it will become the lowest cost (Capex and Opex) producer of silicon (Si) and high purity silicon metal (3N & 4N Si);
- Through its 100% owned subsidiary HPQ NANO Silicon Powders Inc, the *PUREVAP™ Nano Silicon Reactor (NSiR)*, a new proprietary process that can use different purities of silicon (Si) as feedstock, to make spherical silicon nanopowders and nanowires;
 - HPQ believes it can also become the lowest cost manufacturer of spherical Si nanopowders and silicon-based composites needed by manufacturers of next-generation lithium-ion batteries;
 - During the coming months, spherical Si nanopowders and nanowires silicon-based composite samples requested by industry participants and research institutions will be produced using *PUREVAP™ SiNR*.

HPQ is also working with industry leader Apollon Solar of France to:

- Use their patented process and develop a capability to produce commercially porous silicon (Si) wafers and porous silicon (Si) powders;
 - The collaboration will allow HPQ to become the lowest cost producer of porous silicon wafers for all-solid -state batteries and porous silicon powders for Li-ion batteries;
 - Develop the hydrogen generation potential of Silicon nanopowders for usage with the Gennao™ system;
 - Commercialize, exclusively in Canada, and non-exclusive in the U.S.A., the Gennao™ H2 system and the chemical powders required for the hydrolysis production of Hydrogen ("H2").

This News Release is available on the company's CEO Verified Discussion Forum, a moderated social media platform that enables civilized discussion and Q&A between Management and Shareholders.

Disclaimers:

The Corporation's interest in developing the PUREVAP™ QRR and any projected capital or operating cost savings associated with its development should not be construed as being related to the establishing the economic viability or technical feasibility of any of the Company's Quartz Projects.

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 Company'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 Company with respect to future events and are subject to certain risks and uncertainties and other risks detailed from time-to-time in the Company's on-going filings with the security's regulatory authorities, which filings can be found at www.sedar.com. Actual results, events, and performance may differ materially. Readers are cautioned not to place undue reliance on these forward-looking statements. The Company 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 nor its Regulation Services Provider (as that term is defined in the policies of the TSX Venture Exchange) accepts responsibility for the adequacy or accuracy of this release.

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