

## **PCT ANNOUNCES DEVELOPMENT OF LARGER PROPRIETARY SYSTEM & NEW GENERATOR**

December 13, 2021 – LITTLE RIVER, SC – (BUSINESS WIRE) – PCT LTD (PCTL OTC Pink) is pleased to announce Stuart Emmons, Executive VP-Engineering, Research & Development at PCT, has designed a new 8 cell Gen 2 generator. This new generator will double the size of our current largest 4 cell generator while keeping the same footprint. This allows our current and future clients to increase their capacity without additional space requirements. The company expects to see higher profits per system by decreasing costs associated with parts, production time and shipping.

PCTL is continuing expansion into the oil and gas sector with our new 8 cell generator coupled with NanoGas™ Technologies nanobubble generator. The combination of these two technologies allows for a greater amount of Nano-Hydrolyte™ to be generated. Nano-Hydrolyte™ a potent biocide that is eco-friendly is used for downhole bacteria control, H<sub>2</sub>S remediation (sour wells), disinfection of hydraulic fracturing water facilities and well capping. Additionally, increased Nano-Hydrolyte™ production will allow penetration of the fluids into the deeper fractures of the formation and being able to treat multiple wells at the same time.

Stuart has also designed a new Catholyte only generator. Prior to this, the company was using a third-party generator during proof-of-concept field trials at the Grassy Creek while our new system was being developed. The initial design of the new generator produced Catholyte at 600ppm. Over the course of its development, the R&D team has been able to modify the original design to increase the PPM by 300%. The new generator will be used with the Nanobubble generator to produce Nano-Catholyte™ for the EOR market.

Nano-Catholyte™ reduces the surface tension in the treatment fluid and interfacial tension with the oil within the formation. This coupled with the mechanical effects of the nanobubble (diffusion, wedge effect, and fragmentation of oil to reduce viscosity) allowing for the release of oil in the formation as well as penetration throughout the micro sized natural fractures through the formation thus separating the oil from the water and allowing it to flow from the formation to the wellbore where it can be produced and processed.

The older 4 cell generator and third-party generator is currently being used in Oklahoma until the new generators have run through testing in Little River. Light crude has shown excellent results in field trials so far. The 8 cell and Catholyte Free generators are slated to come online in Oklahoma after the first of year and used with new drilled wells. Increased fluid production of the 8-cell generator is critical in Oklahoma where the wells are deeper and use more fluids than Grassy Creek. The 8-cell will also be used to treat H<sub>2</sub>S, Hydrogen Sulfide, a highly corrosive and potentially deadly gas along with downhole bacteria control.

Gary Grieco PCT's CEO stated, "that by producing our own Catholyte generator we can produce a quality product that meets our exacting standards at a higher concentration of Catholyte-Free." Mr. Grieco believes the new Catholyte generator will allow a 50-100% increase in production.

PCTL would like to remind the market Ronnie Syverson's Podcast will be Dec. 15th Mr. Syverson is nationally certified in Infection Control and Epidemiology by the Certification Board for Infection Control and Epidemiology (CBIC) and has dual bachelor's degrees in nursing and biology. His presentation will focus on infection control.

**About PCT LTD:**

PCT LTD ("PCTL") focuses its business on acquiring, developing, and providing sustainable, environmentally safe disinfecting, cleaning, and tracking technologies. The company acquires and holds rights to innovative products and technologies, which are commercialized through its wholly owned operating subsidiary, Paradigm Convergence Technologies Corporation (PCT Corp). The Company established entry into its target markets with commercially viable products in the United States and now continues to gain market share in the U.S. and U.K.

**About Nano Gas Technologies:**

Nano Gas Technologies, Inc. (Nano Gas™), a Deerfield, IL company, uses nature to improve the environment with tiny bubbles. Nano Gas™ nanobubbles of gas in liquid enhance oil recovery, clean oil industry wastewater, and improve plant and animal growth. Nano Gas's™ unique technology does not clog up because it uses no membranes. The technology scales up for high volume treatment because Nano Gas™ puts so much gas in solution in a single pass that it delivers higher dissolve oxygen even after diluting fifteen times. This platform technology has applications in sewage treatment and algae production for biofuel as well. Nano Gas™ has eighteen patents with thirty more pending.

**Forward-Looking Statements:**

This press release contains "forward-looking statements" as defined in Section 27A of the Securities Act of 1933, as amended, and Section 21B of the Securities Exchange Act of 1934, as amended. Any statements that express or involve discussions with respect to predictions, expectations, beliefs, plans, projections, objectives, goals, assumptions or future events or performance are not statements of historical fact and may be "forward-looking statements."

Such statements are based on expectations, estimates and projections at the time the statements are made that involve a number of risks and uncertainties, which could cause actual results or events to differ materially from those presently anticipated. Such statements involve risks and uncertainties, including but not limited to: PCTL's ability to raise sufficient funds to satisfy its working capital requirements; the ability of PCTL to execute its business plan; the anticipated results of business contracts with regard to revenue; and any other effects resulting from the information disclosed above; risks and effects of legal and administrative proceedings and government regulation; future financial and operational results; competition; general economic conditions; and the ability to manage and continue growth. Should one or more of these risks or uncertainties materialize, or should underlying assumptions prove incorrect, actual outcomes may vary materially from those indicated. Important factors that could cause actual results to differ materially from the forward-looking statements PCTL makes in this press release include market conditions and those set forth in reports or documents it files from time to time with the SEC. PCTL undertakes no obligation to revise or update such statements to reflect current events or circumstances after the date hereof or to reflect the occurrence of unanticipated events.

**Investor Relations Contact**

Michael Iorlano

(760) 621-0062

Mike@MountaintopMedia.net

or

[IR@para-con.com](mailto:IR@para-con.com)

[www.para-con.com](http://www.para-con.com)

[www.pctcorphealth.com](http://www.pctcorphealth.com)

Twitter: <https://mobile.twitter.com/PCTL>