

Newly Launched Disinfecting System Reduces Hospital Acquired Infections

LITTLE RIVER, S.C., May 16, 2018 (GLOBE NEWSWIRE) -- PCT LTD, formerly Bingham Canyon Corporation (OTC Pink:BGHM), a leading provider of cleaning and disinfecting solutions, unveils its Annihilyzer® Infection Control System that is designed to help alleviate the growing problems of Hospital Acquired Infections (HAI's).

In the United States, the Centers for Disease Control and Prevention estimated roughly 1.7 million hospital acquired infections, from all types of microorganisms, including bacteria, viruses and fungi, cause or contribute to 99,000 deaths each year, at a cost in excess of \$120 Billion. In European hospital surveys, the category of gram-negative bacterial infections such as E. Coli are estimated to account for two-thirds of the 25,000 deaths each year. HAI's, also known as Nosocomial Infections, include severe pneumonia and infections of the urinary tract, bloodstream and other parts of the body. Many types of infections display resistance to antimicrobial drugs, making them difficult and expensive to treat. Therefore, thorough disinfection of those surfaces and equipment, which patients and healthcare personnel touch, is necessary to reduce exposure.

Environmental cleaning and disinfecting is a fundamental principle of preventing infection in the hospital setting. Both porous surfaces (e.g., mattresses) and nonporous surfaces (e.g., bed rails) in patient rooms are highly susceptible to bacterial contamination from dangerous pathogens, including *Clostridium difficile* (C. diff.), and antibiotic-resistant organisms such as methicillin-resistant *Staphylococcus aureus* (MRSA), vancomycin-resistant enterococci (VRE), and multiple species of *Acinetobacter* (*Acinetobacter* spp). Hard, nonporous surfaces, high-touch items such as furniture, bed rails, and medical equipment, and fixed spaces like floors and bathroom facilities, form part of the environmental reservoir that can harbor significant microbial contamination.

The potential for these contaminated environmental surfaces contributing to transmission of pathogens has been clearly established for most, if not all, healthcare-associated pathogens, including MRSA, VRE, C. diff., and *Acinetobacter* spp. These nosocomial pathogens can survive on inanimate surfaces for prolonged periods. For example, gram-positive bacteria such as MRSA and VRE have been shown to persist on dry surfaces for several weeks to months. C. diff. spores have been shown to survive for as long as five months. Thorough cleaning and disinfection of these surfaces is an important part of the comprehensive Infection Control Program for the prevention and reduction of Hospital Acquired Infections (HAIs). A component of the system to address the disinfection of these surfaces is the Electrostatic Smart Applicators. Microscopic organisms are usually hidden in deep cracks and crevasses inside or on the undersides of surface areas and continue to survive if coverage is spotty. The extraordinary bonding of our disinfectant to the target and the complete, uniform coverage achieved are distinct advantages of Annihilyzer Electrostatic Smart Applicators. Experience is showing it is not just what is applied but also how a disinfectant is applied that matters.

PCT provides solutions to this HAI problem, by outfitting a healthcare setting with the technology and guidance needed to effectively reduce the occurrence of infectious diseases. All this is accomplished through a dedicated partnership with hospital administration and staff in providing training, consulting, and protocol analysis services in addition to state of the art equipment.

PCT has introduced a new cleaning and disinfecting system with technology that produces an effective and consistent, yet variable-PPM, solution that is created through an electrolytic process called Electro-Chemical Activation (ECA). The system includes no harsh or toxic chemicals. The process produces two

products –an antimicrobial agent at a high PPM of hypochlorous acid and neutral pH and an excellent degreasing cleanser that effectively removes the bio-load prior to disinfecting the surface. Both the antimicrobial disinfectant and the cleanser are green seal certified and not harmful to furniture or electronic equipment.

“There are a wide variety of chemical disinfectants, most highly toxic, approved for use in the hospital setting. However, we believe our Green Seal Certified Annihilizer® Infection Control System provides the most effective program for dramatically reducing the significant health problems and costs associated with HAI’s. With our patented, wireless, cloud-based tracking technology, we can effectively monitor the cleaning staff’s adherence to cleaning protocols and processes and provide comprehensive administrative and management reports. With the growing awareness of and demand for the Annihilizer® Infection Control System that we are experiencing, we anticipate having over one hundred in operation within twelve months. The system also works for facilities in other industries including school systems, hotel and tourism, and food processing and service. Each of these industries have similar issues and problems. Ineffective cleaning can lead to the accumulation of numerous harmful pathogens in any facility,” stated Gary Grieco, CEO, PCT LTD

About PCT

PCT LTD has focused its business on sustainable, environmentally safe technologies and products. The company acquires and holds rights to innovative products and technologies, which are commercialized through operating subsidiaries. Paradigm Convergence Technologies Corporation (PCT Corp) is the wholly owned operating subsidiary of PCT LTD. The business mission of PCT Corp. is in the prevention, and control of infectious disease and the pre-harvest prevention, control and suppression of microbial contamination of some commercial crops. PCT Corp designs, develops, integrates, assembles and commercializes technologies, products and systems targeted at the prevention and control of infectious disease and crop pathogens. Its unique and patented systems and human-safe products provide next-generation cleaning, sanitizing, disinfecting and decontaminating fluid solutions to the ever-present problems of microbial infection and infestation.

Forward Looking Statements: This release contains or may contain forward-looking statements and information that are based upon beliefs of, and information currently available to, management; as well as estimates and assumptions made by management. Such statements reflect the current view of the Company with respect to future events and are subject to risks, uncertainties, assumptions and other factors relating to the Company’s industry, operations and results of operations and any businesses that may be acquired by the Company. Should one or more of these risks or uncertainties materialize, or should the underlying assumptions prove incorrect, actual results may differ significantly from those anticipated, believed, estimated, expected, intended or planned.

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