TIPS Top Innovations of the Year: 2019

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For Immediate Release:

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Top Innovations of the Year: 2019

'Join. Contribute. Make A Difference.'

HAMILTON, Ontario, Canada – July 26, 2019: The Infection Prevention Strategy is pleased to announce our Top Innovations of the Year: 2019.

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Listed below, in random order, are the Top Innovations of the Year: 2019, as determined by InfectionControl.tips, based on our Call to Action for engagement and innovation.

All Award winners will be on display at the upcoming #HITS2019 Conference in Buffalo, NY August 5-8, 2019. Award winners will also be showcased throughout 2020 at various TIPS events in the USA, Canada and UK. TIPS is also pleased to announce that some of the following award winners will be featured in the upcoming TIPS 2020 Innovation Catalog.

CASPR Medik™ Solution

CASPR Group
www.casprgroup.com

CASPR Medik™ is a natural catalytic converter placed in your HVAC system where it converts the naturally found humidified air into oxidizing molecules, primarily H?O?. Through natural convection, these molecules exit the vent, circulate the room, and settle on every surface where they reduce the level of mico-burden. CASPR offers a baseline

environmental testing and then annual tests to prove this reduction. CASPR Medik™ was created as a facility-wide solution and it is safe to use in occupied spaces. The levels of molecules we put out are 33 times less than OSHA and other guidelines. In recent hospital studies, we reduced employee absenteeism by over 40% as we not only reduce the HAI-causing pathogens, but we also substantially reduce molds, fungus, H1N1, and more.

THE ANNIHILYZER® INFECTION CONTROL SYSTEM

PCT Health
www.pcthealth.com

PCT Health has developed a complete Disinfection System that creates onsite, all the cleaner and disinfectant required by a facility without buying and warehousing costs. PCT's Annihilyzer System provides a suite of electrostatic applicators including handheld, backpack, and automated 360-degree carts to minimize labor. The Annihilzer also includes patented bottle tracking for auditing and electronic protocol management and reporting systems all in one package. Management can now track what disinfectant was used in what room by what staff and what protocols were used at a touch of a button.

PathO3Gen Solutions

PathO3Gen Solutions
www.patho3gen.com

PathO3Gen Solutions FSS utilizes its patented Solestice 3/15 Technology to prevent and destroy 99.9% of all microorganisms colonizing footwear, thus eliminating the DEADLIEST pathogens before they spread. It is the only patented technology that utilizes UVC + Ozone. This combination cracks the outer capsid and denatures the DNA of pathogens, thus preventing regeneration. Contaminated hospital and clinic floors continue to be identified as an overlooked source of infection. When incorporated into a comprehensive infection control program, the PathO3Gen Solutions Footwear Sanitizing Station can help reduce the risk of HAIs!

OGOW Medical Records System : Somalia

OGOW EMR
www.ogowemr.com

OGOW EMR primary goal is improving the delivery of immunizations in Somalia by empowering and equipping practitioners and caregivers with digital solutions that are easy-to-use, in Somali language and able to revamp current procedure of immunizations.

AP-4 ™ High Level Disinfection System

Altapure, LLC
www.altapure.com

The Altapure AP-4 is an ultrasonic high-level disinfection machine capable of eliminating 100% of pathogenic bio-burden including C. difficile spores, VRE, MRSA, CRE and C. auris in a treated space. The ultrasonic transducers create sub-micron droplets at a density of 3-5 trillion/cubic foot that permeate every nook and cranny in the entire room getting 3-D coverage of all surfaces. It uses a very low concentration (1.06%) of PAA that is effective on all surfaces including curtains.

High-Capacity Ultrafiltration (HUF™)

Water Control Corporation
www.watercontrolinc.com

Water Control Corporation offers several High-Capacity Ultrafiltration (HUF) tools in the fight to control Legionella and pathogen levels in building water systems. Our HUF systems, featuring hollow fiber membrane technology from German innovators, Seccua GmbH, filter out nearly ALL bacteria, parasites, viruses, and nutrient particulates, with low pressure loss. This keeps systems clean, minimizing biofilms, fouling, corrosion, and risk of disease outbreak. Disinfectant residuals (whether provided municipally or onsite) remain in the water, with much higher effectiveness, due to drastically reduced biomass and sediment. This adds up to healthier buildings, happier residents, and reduced liability risk to owners.

GoGown

GoGown LLC
www.thegogown.com

The GoGown is an innovative disposable gown with an inside wrapper/panel that allows the contaminated gown and gloves to be wrapped in a small bundle for safe disposal. It is simple, cost effective and easy to use. The wrapper panel can be applied to any style/level of disposable gown at the time of manufacture. GoGown positively impacts Nursing, EVS and Infection Prevention. Patients and staff deserve nothing less than GoGown.

Steriwave™ Nasal Decolonization (ND), also known as MRSAid

Ondine Biomedical Inc.
www.ondinebio.com

MRSAid nasal photodisinfection targets a major unaddressed source of healthcare-associated infections: infection-causing bacteria and other microbes that reside in the noses of patients and caregivers that are easily transmitted to susceptible wounds, surgical incision sites, IV sites, hospital surfaces, and other patients. In approximately six minutes of treatment, MRSAid decolonizes the nose of these bacteria, fungi, and viruses—including superbugs—significantly reducing the risk of infection. Easily incorporated into hospital workflows, the treatment is typically administered by a nurse, who first swabs each nostril with our photosensitizer formulation, then inserts disposable nasal illuminator tips, lighting the area with a specially calibrated cold laser for two minutes. This process is repeated once more to ensure complete coverage and decolonization of the nose. MRSAid kills microbes through oxidative disruption of the microbial cell membrane with no known adverse effects to human epithelial tissue or mucosa. Microbes are unable to adapt to this treatment eliminating concerns of antimicrobial resistance formation.

UV-CLEAN

Proximity Systems
www.proximitysystems.com/uvclean/

As new automated disinfection technologies are being developed and implemented, ultraviolet disinfection has emerged as a powerful line of defense against the spread of infectious pathogens on high-touch surfaces that cause Healthcare Associated Infections (HAIs). UV-CLEAN offers an affordable and powerful automated disinfection solution that will give healthcare facilities the peace of mind they deserve when battling germs on high-touch surfaces.

TapSnap Flushing Surveillance Monitor

Trusted Water
www.trustedwater.com/tapsnap

TapSnap flushing surveillance monitors snap directly to high-risk water outlets like showers, aerated-faucets, and eyewash stations. They combine a sensitive vibration sensor with a timer and LED light. When the monitor senses no water flow in the outlet (i.e. no vibration) that exceeds a stagnation timer setting, the red LED flashes alerting staff the outlet needs flushing. Turning on the water and flushing for the appropriate time will reset the LED to green. Flushing times are variable and depend on how long the outlet has been stagnant (i.e. longer stagnation requires longer flushing). Premature termination of flushing will cause the sensor to revert to the flashing red LED.
The monitor is battery-powered, easy to install or remove, and water-resistant.

Theraworx Protect

Avadim Health, Inc.
www.Theraworxprotect.com

Theraworx Protect is a topical, immune health system designed to stage the patient's skin for improved quality of care. Theraworx Protect is designed to be a SMART approach to address the following:

1. Stratum corneum optimization
2. Minimization of biofilm synthesis
3. Antimicrobial barrier support
4. Reestablishment of healthy inflammatory response
5. Tissue respiration support

Environmental Services (ES) Optimization Playbook

ESOP Initiative
(to be showcased at #HITS2019 Buffalo, NY Aug 5-8)
www.esop.tips

A collaborative approach to support reliable design (standardization of evidence-based practices) for environmental cleaning and disinfection in health care facilities in alignment with AHE Standards, to reduce the risk of HAI (health

care associated infection) resulting in a playbook/resource guide to drive sustaining gains for Antimicrobial, Resource, and Economic Stewardship.

Medical Office and Healthcare Furniture

Kwalu
www.kwalu.com

From functional patient room furniture such as recliners, sleeper sofas, and casegoods, to stylish medical waiting room furniture and guest chairs; our commercial healthcare furniture is purposefully created for healthcare environments. Eliminating Hospital Acquired Infections (HAIs) requires increasingly stringent infection prevention protocols. Our healthcare furniture and waiting room seating does not have surface joints or seams and does not support microbial growth, and are warranted for 10 years.

EvaClean's Touchless Disinfection & Sanitizing

EarthSafe Chemical Alternatives
www.evaclean.com

Evaclean uses data to deliver process improvement and a streamlined approach to optimal cleaning and surface disinfection within healthcare institutions and other industries. By standardizing our protocol around highly efficient application methods like electrostatic spraying technology and industry leading chemistries like NaDCC sporicidal disinfection tablets, compliance can be improved, processes can be easily scaled across staff of any size, and continuing education can be more targeted by using measurable auditing to identify areas of strength or weakness in any process. By using technology to deliver efficiency to the housekeeping staff, outputs can be increased up 3 fold within existing time, staffing, and budget constraints.

SILVERbac

Novel Technologies Holdings Limited
www.silverbactech.com

Eliminating the dangers of harmful bacteria is an ongoing challenge for the healthcare industry. Any surface or material can be at risk of contamination.

The antibacterial properties of SILVERbac help to combat pathogens such as E. coli and MRSA, creating a safer environment for medical procedures. SILVERbac can be incorporated across a variety of substrates, from scrubs to sheets, and even into technical equipment.

Defender

Lighthouse Healthcare Partners
www.lhhcp.com

A single wipe dispensing system to prevent cross contamination. Powered by DisinfecTech technology to effectively clean and disinfect surfaces. Compatible and stable with Defender Sporicidal, Cleaner and Disinfectant.

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The Infection Prevention Strategy is a Not-For-Profit organization that operates both globally and locally. We perform scientific studies and evaluations. We promote and communicate results and experiences through our Pan-Access publication, InfectionControl.tips – www.IC.tips

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