

INNOVATIVE HEALTH AND SAFETY TECHNOLOGIES

Implementing innovative technology solutions has enabled Saint Paul RiverCentre to expand health and safety preparations to the next level for our guests, not only for the short term, but for years to come.

- **KONE Escalator Handrail Sterilizer:** Hold on with confidence. This fall, Saint Paul RiverCentre will install the KONE Handrail Sanitizer, an escalator handrail cleaning solution that uses a type of ultraviolet light (UV-C) to continuously clean the handrail when the escalator is in use. The solution is installed inside the escalator handrail, preventing exposure to users. All eight of our escalators will feature this technology.
- **NanoSeptic Self-Cleaning Adhesive Skins:** Our high touch areas, including door handles, elevator buttons and metal detector divesting tables, are now protected with a self-cleaning adhesive that continuously eliminates bacteria. The mineral nano-crystals on the surface of the adhesive skins act as a catalyst which, when charged by visible light, create a powerful oxidation reaction that breaks down organic material. The surface also forms free radicals, which act as an additional cleaning agent. NanoSeptic skins are replaced quarterly or sooner if needed.
- **CleanSlate UV:** Shared equipment such as microphones, slide advancers, iPads, cell phones, walkie-talkies and more are cleaned using UV-C light from a CleanSlate UV device without harming any touchscreens, cameras or IR sensors. Originally designed for the rigors of high-traffic hospital environments, this device will kill at least 99.999% of bacteria in just 30 seconds using UV-C light and has been used in healthcare, food and biotech industries for over 30 years. Simply insert an object into the CleanSlate device, close the lid and wait for the cycle to finish.
- **Clorox® Total 360® System Electrostatic Sprayer:** This new product has revolutionized the way our staff can clean large spaces and help reduce pathogens. The sprayer allows our staff to more efficiently clean surfaces, including the sides, undersides and backsides of surfaces and furnishings, using electrostatic technology versus trigger spray devices. Additionally, this electrostatic technology is paired with Total 360® Disinfectant Cleaner1, Spore Defense™ Cleaner Disinfectant or Anywhere® Hard Surface Sanitizing Spray to deliver superior coverage in an efficient, cost-effective way. The system uses 65% less solution, works 75% faster than trigger sprays and covers 18,000 square feet per hour.
- **Johnson Controls HVAC System:** Properly ventilated buildings are critical to improve air quality and prevent the spread of disease. Utilizing our Johnson Controls HVAC technology, we are continually maintaining and servicing our systems in order to optimize our building performance to improve safety and enhance comfort.
 - All facility HVAC filtration systems have been upgraded to MERV-13 air filters.
 - All HVAC systems run at full economizer levels as outside air conditions allow.
 - Relative humidity levels of RH 40-60% are maintained.
 - HVAC systems have extended operating time to enhance the ability to filter air contaminants.
 - A flush cycle added to the HVAC system controls operates the system two hours before and after occupancy.
 - HVAC system is checked and rebalanced to provide negative air pressure whenever possible.
 - HVAC fan speeds are managed to minimize airflow circulation across groups of people.