

Science-based strategies for reoccupying the workplace

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Nearly two full years into the COVID pandemic, building owners and managers continue to face uncertainties about return to work. The challenges to reoccupy buildings and shared spaces is driven by changing policies, new variants, a hesitant workforce/public, and an improved understanding of transmissibility and risk.

Fortunately, a new class of technology enables operators to make more informed decisions for a broad range of indoor environments to bring people back safely and restore productivity.



[Watch the session here](#)

Top takeaways:

- **Biosafety for buildings is here:** A core challenge in the pandemic, and in the new world it has created, is measuring, validating and communicating the safety facilities have created through their investments in ventilation, and operational changes.
- **Precision optimization of indoor safety is a critical part of continuous improvement:** Assess and monitor airborne pathogen transmission paths and hotspots using tracers, to obtain precise insights into the effectiveness of HVAC and air purifier usage, along with concrete actions for improvement.
- **Agent-based models provide quantitative support to decision-makers:** In the public and private sectors, a joint solution provides end-to-end risk management and policy analysis for decision making.
- **Monitor pathogen levels as a report card on facility infection resistance:** Creating infection-resistant indoor environments means avoiding the spread of the virus even when infected individuals are present. Direct monitoring of pathogen levels validates the optimizations you make, and provides ongoing signals for improvement as the state of your buildings, and public health, evolves.
- **Computational model can imitate real-life scenarios:** Simulate thousands of individuals in realistic environments including offices, buildings and airports.
- **Plan for a post-pandemic world that applies lessons learned to exit COVID with even better spaces:** Prioritize the selection and deployment of viral transmission risk mitigation-measures.

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For membership inquiries, contact:

Aaron Therrien, Director, Membership
and Strategic Partnerships
atherrien@bomatoronto.org



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