Aircuity continuously monitors air quality and occupancy in laboratories and informs the building ventilation system of the appropriate levels of fresh air to provide. Upgrading existing lab facilities with Aircuity makes significant progress towards saving energy, optimizing facilities, improving safety and reducing our carbon footprint.

**ENVIRONMENTAL IMPACT**
Ventilation is reduced in monitored areas with low activity, which reduces energy usage and costs.
Collecting air-flow and energy use data means we can be sure that the maximum energy savings are being achieved, while meeting the necessary ventilation requirements.

**INNOVATION & TECHNOLOGY**
Unlike traditional ventilation systems which are scheduled, Aircuity systems continuously check for contaminants and adjust ventilation, improving the indoor air quality for building occupants.
Aircuity systems are utilized only when needed and often at lower speeds, extending the life of the equipment and reducing overall maintenance costs.

**ESTIMATED SAVINGS**

- **Katz Group Centre**: 6,472 tonnes of CO₂ emissions
- **Centennial Centre for Interdisciplinary Science**: 933 tonnes of CO₂ emissions
- **Li Ka Shing Centre for Health Research Innovation**: 3,582 tonnes of CO₂ emissions
- **Natural Resources Engineering Facility**: 2,353 tonnes of CO₂ emissions

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**PROJECT TEAM** | Energy Management and Sustainable Operations