UNIVERSITY OF ALBERTA

Aircuity

Katz Group Centre for Pharmacy and Health Research, Li Ka Shing Centre for Health Research Innovation, Centennial Centre for Interdisciplinary Science, Natural Resources Engineering Facility | 2016

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.

Monitors indoor conditions to only provide ventilation when needed

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 CO_2 emissions

Centennial Centre for Interdisciplinary Science
933 tonnes of CO_2 emissions

Li Ka Shing Centre for Health Research Innovation
3,582 tonnes of CO_2 emissions

Natural Resources Engineering Facility
2,353 tonnes of CO_2 emissions

PROJECT TEAM | Energy Management and Sustainable Operations

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ENVision
INTELLIGENT ENERGY REDUCTION