



CIFAL York - Drone-based Thermal Mapping of York University Keele Campus Buildings for Sustainability and Energy Efficiency

Personas

Plazo: 8 Oct 2024

Tipo:	Other
Ubicación:	Toronto, Canada
Fecha:	27 Oct 2024 to 15 Dic 2024
Duración:	6 Days
Área del programa:	Decentralize Cooperation Programme
Sitio web:	https://www.yorku.ca/sustainability/
Precio:	0,00 US\$
Correo Electrónico del Centro de Coordinación del Evento:	cifaldirector@yorku.ca
Colaboración:	CIFAL York, ADERSIM, York University

ANTECEDENTES

York University's Office of Sustainability is working on improving sustainability efforts and minimizing inefficiencies across their campuses. The Office of Sustainability aims to use drone technology to create thermal maps of the campuses to find buildings that are inefficient and poorly insulated.

OBJETIVOS DEL EVENTO

- Create a thermal map of all York University campus buildings
- Find inefficiencies that can be corrected
- Determine where energy is being lost on York University's campuses

CONTENIDO Y ESTRUCTURA

Drones with thermal imaging sensors are flown over the campus each Sunday morning to create a complete thermal map of the campus. These images are used to find inefficiencies and determine which buildings are most in need of upgrades to prevent excessive energy loss.

METODOLOGÍA

Drones with thermal imaging sensors are flown over the campus each Sunday morning to create a complete thermal map of the campus. These images are used to find inefficiencies and determine which buildings are most in need of upgrades to prevent excessive energy loss.

PÚBLICO OBJETIVO

Office of Sustainability