



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



 : 8 10 2024

-  : Other
-  : Toronto, Canada
-  : 27 10 2024 to 15 12 2024
-  : 6 Days
-  : Decentralize Cooperation Programme
-  : <https://www.yorku.ca/sustainability/>
-  : US\$0.00
-  email: cifaldirector@yorku.ca
-  : CIFAL York, ADERSIM, York University



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.



- 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



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.



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Office of Sustainability