



7 AFFORDABLE AND CLEAN ENERGY



University of Cyberjaya
SDGs Taskforce Committee



SDG 7 - Affordable and Clean Energy

Impact Report

2022 / 2023

Table of Contents



03

- Energy Efficient Buidling - Energy Consumption

04

- Energy Efficient Buidling - Lighting

04

- Energy Efficient Buidling - Air-conditioning

05

- Energy Efficient Buidling - Renewable Energy - Solar project

06

- Energy Conservation

Energy Efficient Building

7 AFFORDABLE AND CLEAN ENERGY



Energy consumption

The usage of energy in the campus is a critical metrics tracked by the University's **Facilities Department**. The management has identified initiatives that aims to reduce our energy usage per sqft of campus floor space occupied.

Campus building allows **natural light** into the corridors and classrooms which reduces reliance on artificial light during daytime.

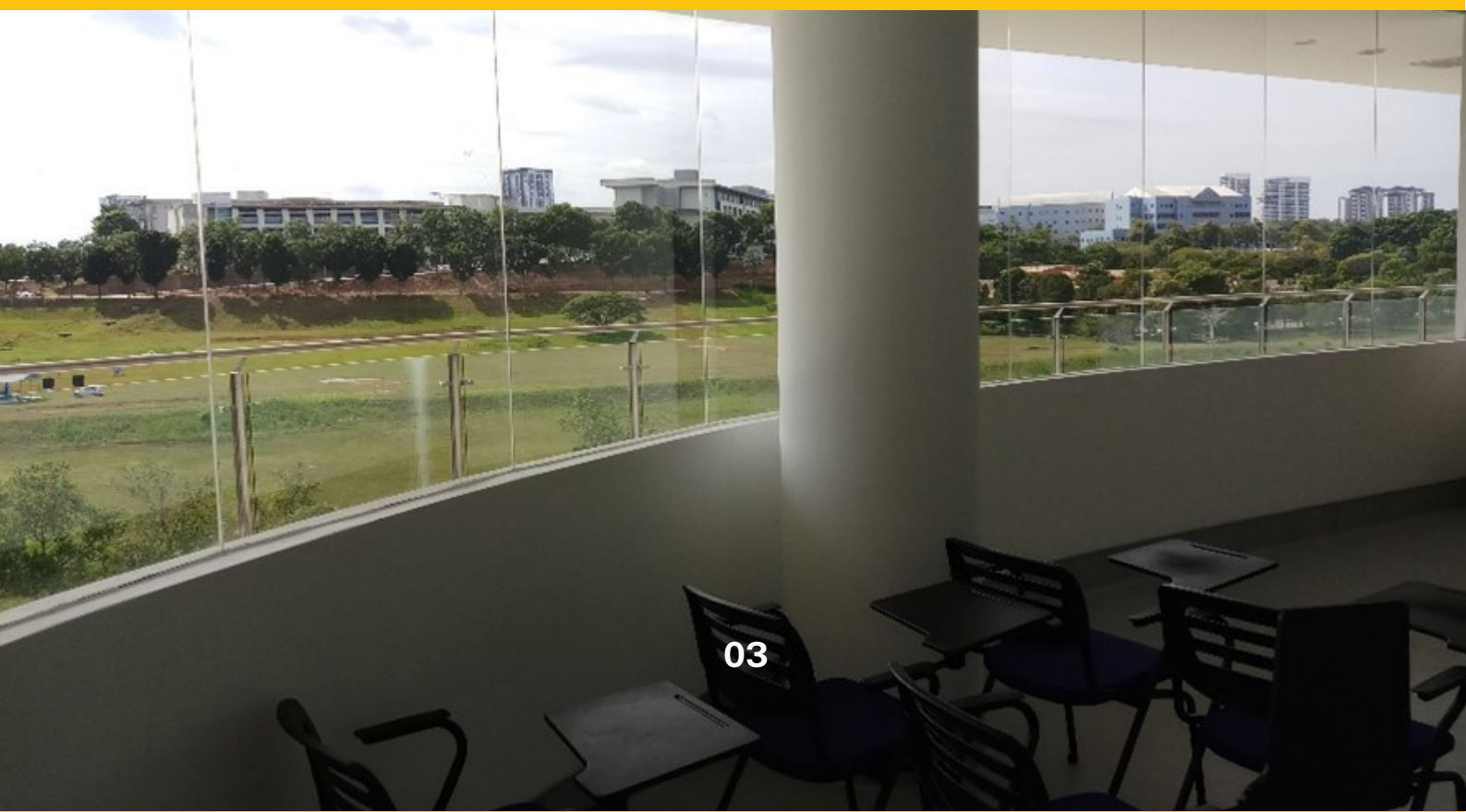
4,845

Campus population
in 2022

262,182.92

kWh

Average total energy
consumption in 2022



Energy efficient building

7 AFFORDABLE AND
CLEAN ENERGY



Air-conditioning

The design for the campus emphasis on **non-airconditioned corridors** and open areas with air flow thus reducing the total air-conditioned floorspace. Air-conditioning to individual rooms can also be independently switched off thus reducing the total energy consumption throughout the day.



Lighting

Campus is equipped with energy efficient **LED lighting** systems. Staff are encouraged to switch off lights when not in use. Security guards patrol classrooms after office hours to ensure that corridor lights and classroom facilities are switched off when not in use. Timers for air conditioning units are installed to reduce unnecessary wastage.



Energy efficient building

7 AFFORDABLE AND CLEAN ENERGY



Renewable energy - Solar project

University has a plan to increase energy efficiency, reduce overall energy consumption and reducing carbon dioxide emission with renewable energy.



75%
Total energy generated by solar energy proposed for 2024



Energy Conservation



10
Number of students



Diploma in Occupational Safety & Health students from Environment Volunteerism course visited **Tenaga Nasional Berhad**, Malaysia's largest electricity utility to learn about the reason and effects of electricity over consumption and solutions to reduce it.





CAMPUS

University of Cyberjaya (UoC)
Persiaran Bestari, Cyber 11,
63000 Cyberjaya,
Selangor Darul Ehsan,
Malaysia