GREENER CAMPUS AND WORKPLACE

Environmental sustainability is at the core of the University's commitment to provide quality campus and related services. We strive to minimise our carbon footprint in campus development, campus management and office operations. Our six environmental protection principles provide guidance to our management approach and decision-making process.

OUR ENVIRONMENTAL PROTECTION PRINCIPLES

Environmental concerns in regard to our daily operations in construction sites, university management and office are addressed with their respective guidelines and procedures which provides guidance on the incorporation of environmental considerations. There were no significant fines or sanctions levied for non-compliance with environmental laws and regulations in the reporting period.

GREENER CAMPUS AND WORKPLACE

INTEGRATE INTO OPERATIONS

To integrate environmental considerations in the university development and property management operations.

CONSERVE RESOURCES

To prevent pollution and to protect the environment by conserving natural resources and minimising waste

LEGAL COMPLIANCE

To comply with all legal requirements and related obligations on environmental protection where applicable

CONTINUOUS IMPROVEMENT

To seek and implement continuous environmental improvements through establishing clear objectives and continual improvement of the operation system

ENGAGE STAKEHOLDERS

To encourage co-operation from our staff and students in environmental protection and collaborate with them in the promotion and implementation of good environmental management practices

RAISE AWARENESS

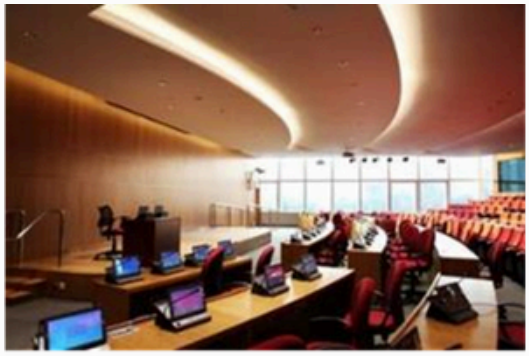
To enhance environmental awareness through internal and external communication of our policy and knowledge sharing with our staff, students and other stakeholders

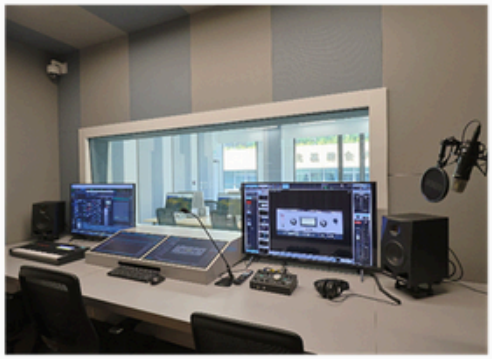
GREENER CAMPUS AND WORKPLACE

GREEN BUILDINGS

HSUHK is the first higher education institution in Hong Kong awarded the BEAM Plus final ‘Platinum’ rating for new buildings. The BEAM Plus (version 1.1) final ‘Platinum’ rating was granted for S H Ho Academic Building, Lee Shau Kee Complex, Lee Quo Wei Academic Building while the BEAM Plus (version 1.2) final 'Platinum' rating was granted for the HSUHK Jockey Club Residential Colleges. BEAM Plus (version 2.0) final ‘Platinum’ rating was also granted for Creative Humanities Hub on 20 August 2025.

The University also achieved Certification of Compliance Registration for Code of Practice for Energy Efficiency of Building Services Installations.



GREENER CAMPUS AND WORKPLACE

ENVIRONMENTAL-FRIENDLY FEATURES FOR PROJECTS

Embracing the importance of sustainability, HSUHK keeps integrating sustainability considerations into the planning and design stages to minimise environmental impact, optimise the use of resources and create a pleasant neighbourhood when the building comes into the subsequent stages of operation.

Our measures:

Energy Efficiency & Renewable Energy

- Optimising energy efficiency through active and passive designs
- Adopting centralised chilled water plant with high coefficient of performance
- Installing photovoltaic panel systems for generating renewable energy

Water Conservation

- Installing efficient water taps at basins, sinks and other washing equipment

Acoustic & Noise Control

- Installing acoustic windows to mitigate the impact of traffic noise
- Conducting regular measurements to verify that room acoustics, noise isolation and indoor vibration comply with the specified standards

Inclusive & Universal Design

- Provisions to create an environment that is accessible and usable by everyone, regardless of age, ability and status in life
- Maximising green landscape area

Sustainable Materials

- Adopting rapidly renewable materials (for example, bamboo) in building design and furniture where applicable
- Using recycled materials in building structure
- Using sustainable timber for wooden doors

Digital Planning & Construction Efficiency

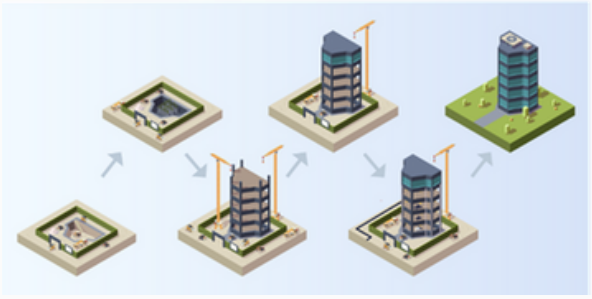
- Adopting Building Information Modelling (BIM) to allow the university to plan, visualise the entire project and make changes before construction starts so that the amount of abortive works can be reduced

GREENER CAMPUS AND WORKPLACE

NUMBER OF BEAM PLUS (NEW BUILDINGS) CERTIFIED PROJECTS

Platinum	5
Gold	-
Bronze	-

CONSTRUCTION STAGE



Our measures:

- Ensuring contractors comply with the environmental laws and regulations by executing Environmental Management Plan
- Adopting prefabrication to reduce waste and material consumption
- Implementing environmental mitigation measures to minimise air pollution, noise, and wastewater discharge from construction activities
- Adopting Building Information Modellng (BIM) to allow better coordination and clash detection and improve scheduling / sequencing to reduce the amount abortive works

OPERATION STAGE

Our measures:

- Regular maintenance and inspection to ensure system efficiency
- Replacement with energy and water efficient models during renovations and retrofitting
- Exploring new energy and water conservation measures
- Providing waste recycling facilities including food waste decomposer, to release part of the waste load from landfill
- Enhance the Barrier Free Access facilities around the campus

GREENER CAMPUS AND WORKPLACE

ENERGY CONSERVATION AND ENERGY AUDIT

Echoing the Low Carbon Charter, the University has targeted to reduce a further 40% of our corporate energy consumption per capita and increase 100% of renewable energy capacity by 2028/29, with 2018/19 as the baseline year. HSUHK Quarterly Hour has been promoted since June 2018, which is expected to take place in March, June, September and December annually. We are closely monitoring our progress and taking the necessary measures to ensure success.

Energy Conservation
The University is mindful of the carbon footprint inherent to our development projects' building life cycle. We have adopted a variety of energy efficient designs and installations in our development projects for the reduction of greenhouse gas emissions. For instance,

- Installation of occupancy sensors and daylight sensors for control of lighting in classrooms, and also staircase at our new Academic Buildings.

- Installation of solar photovoltaic system at the roof of the HSUHK Jockey Club Residential Colleges and Creative Humanities Hub, estimated 1.7% and 4.1% of saving in annual energy consumption respectively. There is 94% increment in capacity as compared to academic year 2018/19.

GREENER CAMPUS AND WORKPLACE

- HSUHK has participated in Energy Saving Charter / 4Ts Charter since 2017 and there has been continuous energy saving since academic year 2016/17. About 24.8% of energy per capita has been saved in academic year 2024/25, as compared to 2018/19. Figures in academic year 2018/19 are selected as the baseline in the upcoming reports because this is the academic year when most of the building operations were reviewed and confirmed.

- HSUHK has participated in Earth Hour (organised by the WWF) and No Air Con Night (organised by the Green Sense) since 2017, to ask for support from colleagues and students to consider turning off air conditioning at living places, when the outdoor temperature is lower than 27oC.

- HSUHK Quarterly Hour has been promoted since June 2018, to take place in March, June, September and December annually, where two of the events coincide with the date of Earth Hour and No Air Con Night.

ENERGY AUDIT FOR EXISTING BUILDINGS

The University makes every effort to minimise energy consumption by upgrading equipment and operating systems continuously. The second energy audit for main campus buildings was completed in 2025 to identify energy saving opportunities.

GREENER CAMPUS AND WORKPLACE

Service Scope of Energy Audit	Items under Energy Audit
• Site inspection of business premises • Analysis of energy efficiency performance • Identification of energy saving opportunities • Audit report on findings and recommendations	• Electrical Appliances • Air Conditioning System • Lighting System • Heating System • Lift System

Energy Audit at Older Buildings (from 1980-2011)
Electrical appliances, air conditioners, lighting fittings, water pumps and lifts were audited at M Building and Lo Hui Kit San Building.

Energy Saving Opportunities in Progress
- Use high energy-efficient water pumps (planned replacement at end of life)
- Use higher energy-efficient air conditioner, according to the latest energy efficiency grading standards (as part of the scheduled renewal cycle for air conditioner)
- Use high energy-efficient LED tube (in progress, to be completed by academic year 2026/27)

Energy Audit at New Buildings (from 2012 onwards)
Similar items were also audited for S H Ho Academic Building, Lee Shau Kee Complex and Lee Quo Wei Academic Building. 4 chillers were also audited at Central Chiller Plant.

Energy Saving Opportunities in Progress
- Use higher energy-efficient chiller (planned, to be completed by academic year 2026/27)
- Use high energy-efficient LED tube (in progress, to be completed by academic year 2026/27)
- Replace variable refrigerant volume (VRV) units for air conditioning (planned, to be completed by academic year 2026/27)

More energy saving opportunities, including retro-commissioning (RCx), to be executed after the chiller replacement, for reaching the target of 40% energy saving by the end of academic year 2028/29 when compared to 2018/19.

GREENER CAMPUS AND WORKPLACE

WASTE REDUCTION AND FOOD WASTE MANAGEMENT

The total waste recycling rate (including paper, metal, aluminum, plastic, glass bottles, green, and food waste) in AY2024/25 has decreased by 1.5% compared to AY2023/24. The University aims to increase the total recovery rate to approximately 25-30% by the end of the academic year 2028/29. To achieve this, the University intends to minimize the waste it generates by implementing effective waste management measures focused on reducing, reusing, and recycling. Eco-friendly materials and equipment are prioritized in our procurement process. Additionally, we have leveraged innovative technologies and incorporated industry best practices in our operations and construction procedures.

Waste Reduction Measures

- E-purchase system has been developed to eliminate paper usage and save time by automatically digitizing data, reducing manual data entry and errors caused incomplete forms. This system saved around 5,000 pieces of paper which equals to 13 packs of A4 paper in AY2024/25.

- HSUHK applied the smart recycling bins under the EPD's Pilot Programme to promote sustainability and enhance recycling efficiency on campus. The smart bins are equipped for 24-hour operation, these bins automatically measure and record the weight of recyclables, facilitating convenient self-service recycling.

GREENER CAMPUS AND WORKPLACE

Food Waste Management

Since the installation of an odourless food waste decomposer near M Canteen in December 2022, food waste has been converted into carbon dioxide and wastewater and then discharged into the sewage pipe before passing through a grease interceptor within 24 hours. This process effectively reduces the burden of waste sent to the landfill in Hong Kong. There are water sprinkler systems inside to remove the odour and so no odour will be released to the environment.

> *From academic year 2024/25, an average of **3.66 kg** was decomposed per day.*

- A food donation drive, scheduled on 8 July 2025 with Food Angel, will provide nutritious meals to those in need while reducing food waste.

- Two site visits were conducted to O Park 1 on February 19 and 27, 2025, aimed at promoting and enhancing sustainability and environmental awareness related to food waste.

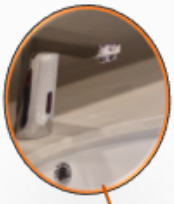
GREENER CAMPUS AND WORKPLACE

WATER CONSERVATION

Water is another precious resource. The University endeavours to minimise water use by upgrading facilities and recycling wastewater. We remind our stakeholders of the benefits of mindful water usage, in the hope of fostering green habits in our daily lives. A 23.1% of general water consumption per capita has been reduced in the academic year 2024/25 as compared to 2018/19. It is targeted to have 25% reduction in water consumption by the end of the academic year 2028-29 as compared to 2018/19.

Below shows some water conservation measures at the university.

- Installation of infra-red sensor at water taps for control of water at our newer buildings.

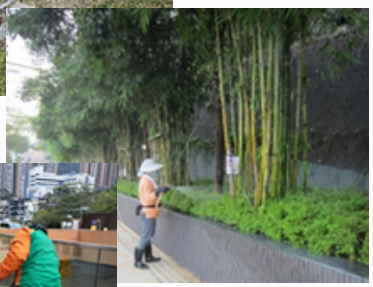


- Adoption of rainwater recycling system for cleansing, irrigation and AC condenser water make-up installation at S H Ho Academic Building, estimated 5% of saving in annual water consumption.

- Adoption of rainwater and greywater recycling system for cleaning at the basement carpark and irrigation on podium and roof floors at HSUHK Jockey Club Residential Colleges, estimated 5% of saving in annual water consumption.

- Installation of water tank with pump system to collect and transfer grey water from the nature for irrigation. Similar system at HSUHK Jockey Club Residential Colleges is under feasibility study.

- Adoption of water drip pipe for irrigation.



- Reuse of swimming pool water meant for disposal to clean the driveways and common areas in the Campus.

GREENER CAMPUS AND WORKPLACE

AIR QUALITY, LIGHT & NOISE POLLUTION MANAGEMENT

Environmental impact to the neighbourhood shall also be avoided. The university has also implemented the following measures:

- Certified as Excellent class in Indoor Air Quality Certification by the Environmental Protection Department in 2025.
- Exterior lighting installed is of a low lux level and low light power intensity. Simulations have been conducted to ensure sky glow and impact to light sensitive receivers were within acceptable levels.
- Measures including noise barriers were deployed to minimise the noise from the construction site and noise level received at noise sensitive receivers was measured at different times to ensure the impact was within acceptable levels.