

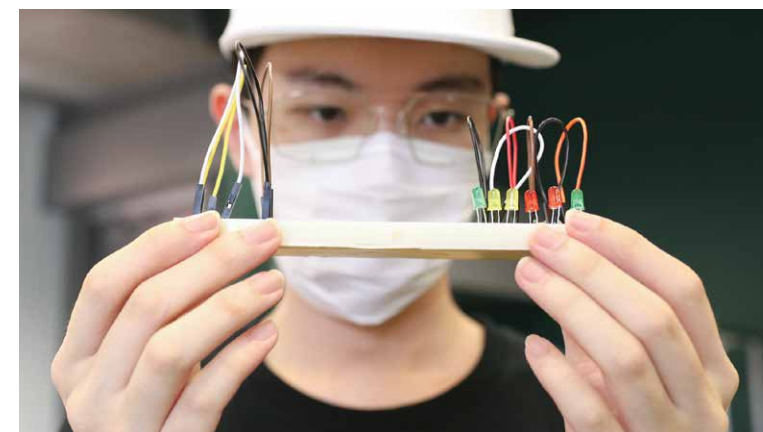
# CAMPUS DEVELOPMENT 校園發展

CPCE operates on the PolyU Hung Hom Bay (HHB) Campus and PolyU West Kowloon (WK) Campus. With a floor area totalling over 57,000 square metres, both campuses are equipped with advanced facilities, including classrooms and lecture theatres, laboratories, libraries, student computer centres, multi-purpose halls with sports facilities, fitness centres, cafes and sky gardens. The well-equipped campuses provide an ideal teaching and learning environment for students and staff.

CPCE座落理大紅磡灣校園及理大西九龍校園，兩座校園總面積逾57,000平方米，設施先進，包括課室和演講廳、實驗室、圖書館、學生電腦中心、多用途禮堂及體育設施、健身室、咖啡廳和空中花園等。完善的校園設施為同學及教職員提供理想的教與學環境。

## Better Teaching and Learning Facilities 教學設施改善工程

### New Laboratories 新實驗室



To provide diversified practical training for students from engineering programmes, the College established the Materials and Design Engineering Laboratory on the HHB Campus in summer 2019. This laboratory is equipped with instruments such as a universal testing machine, hardness testers, metallurgical microscopes, and equipment for fabricating composite materials.

為了提供多元化實用訓練予工程課程的同學，學院於2019年暑假在紅磡灣校園設置了材料與設計工程實驗室，設施包括萬能試驗機、硬度試驗機、金相顯微鏡及製造複合材料的設備。

Besides, two new engineering laboratories were set up on the HHB Campus in mid-August 2020. The Mechanics and Control Laboratory aims to provide students with hands-on experience of using professional equipment, such as injection moulding machines, hot presses, and control and automation devices. In addition, the Energy Conversion and Utilisation Laboratory is mainly used for conducting fluid mechanics and thermodynamics related experiments. Newly installed equipment and test rigs include a comprehensive experimental bench of fluid mechanics, a refrigeration/heat pump demonstration device, and external forced convection cluster tubes.

此外，紅磡灣校園於2020年8月中旬也設立了兩間新的工程實驗室。機械力學與控制實驗室設有專業設備（例如注塑機、熱壓機、控制和自動化設備），讓學生汲取實踐經驗。另外，能源轉化與使用實驗室主要用於進行流體力學和熱力學相關實驗，新安裝的設備和試驗台包括流體力學綜合實驗台、製冷/熱泵演示裝置，以及外部強制對流管束。



## Enhanced CPCE Facilities iBooking System 校園設施網上預約系統升級



The CPCE Facilities iBooking System's off-campus access has been upgraded to include making reservations for library group study rooms and corners. Besides, the CPCE Libraries launched the new OneSearch discovery platform which provides a one-stop solution for the discovery and delivery of local and remote resources, such as books, journal articles, and digital objects.

校園設施網上預約系統的校外連線功能已升級至包括預約圖書館的小組研習室及研習角。另外，CPCE圖書館亦推出OneSearch檢索系統，可供一站式檢索及使用本地及遠端資源，例如書籍、期刊文章及數位物件。

## 3D Printing 三維打印



A 3D printing room was set up by the CPCE Information Technology Unit (ITU) in the student computer centre of the HHB Campus. Apart from industrial-grade printers, including Stratasys PolyJet and FDM printers, which can create ultrafine and coloured 3D products for teaching and research purposes, there are also consumer-grade 3D printers, Makerbot replicator+, which allow students to do self-practice.

Stratasys FDM printers (left and middle) and PolyJet printer (right)  
Stratasys FDM打印機（左及中）和PolyJet打印機（右）

CPCE資訊科技處（ITU）於紅磡灣校園的學生電腦中心設立了三維打印室，內有工業級的三維打印機，包括Stratasys PolyJet及FDM，能夠製作精細及彩色的三維物件，以供教學及科研之用。另外，也有入門級的三維打印機Makerbot replicator+以供學生自行練習。

## e-Making Studio 數碼影像工作室



Chroma key background  
色鍵背景

An e-Making Studio was also set up by the ITU in the student computer centre of the WK Campus. This studio is equipped with a Chroma key background, three high quality camcorders, wireless microphones, a vision mixer, and a lighting control system; these facilities support audio and video recording, photo shooting, creation of class materials for blended learning, and speech rehearsal, etc.

ITU亦於西九龍校園的學生電腦中心設立數碼影像工作室，提供色鍵背景、三台高質攝錄機、無線麥克風、視頻混合器，以及燈光控制系統；這些設施能夠支援聲音及影像錄製、相片拍攝、製作用於混合學習的課堂素材，以及演講排練等。

Makerbot replicator+ 3D printer  
Makerbot replicator+三維打印機



3D product samples  
三維打印產品樣本

## Awards and Recognition 獎項和嘉許

CPCE received various awards for its endeavours to ensure a safe and secure campus environment offering high standards in facility management services.

為確保校園保安及安全的水平，CPCE致力提供高水準的設施管理服務，並在這方面獲頒多個嘉許獎項。

### Excellence in Facility Management Award 10<sup>th</sup> Anniversary 卓越設施管理獎10週年誌慶

The HHB Campus, managed by Hong Yip Service Company Limited, received the Excellence in Facility Management Award (Institutional & Government Properties) in the Excellence in Facility Management Award 10<sup>th</sup> Anniversary organised by The Hong Kong Institute of Facility Management.

由康業服務有限公司管理的紅磡灣校園，於香港設施管理學會卓越設施管理獎10週年誌慶中，獲頒卓越設施管理獎（公共項目及政府產業）。



### Kowloon West Best Security Services Awards 西九龍最佳保安服務選舉

The HHB Campus and the WK Campus were awarded the Honorable Managed Property, and two of their security guards received the Outstanding Security Personnel Award in the Kowloon West Best Security Services Awards 2019 held by the Kowloon West Regional Crime Prevention Office, the Security and Guarding Services Industry Authority, and The Hong Kong Association of Property Management Companies.

在西九龍總區防止罪案辦公室、保安及護衛業管理委員會，以及香港物業管理公司協會舉辦的2019年度西九龍最佳保安服務選舉中，紅磡灣及西九龍校園均榮獲榮譽管理物業獎，而兩名保安員則獲頒最佳保安員獎。

## Promoting Campus Sustainability 推動校園可持續發展

CPCE is committed to maintaining a low-carbon and sustainable campus environment and fostering a sense of social responsibility on campus.

CPCE致力營造低碳排放及可持續發展的校園環境，並在校園推廣社會責任意識。

### Energy Conservation 節約能源

CPCE continued to support the Charter on External Lighting launched by the Environment Bureau, the Energy Saving Charter by the Electrical and Mechanical Services Department, the Hong Kong No Air Con Night campaign by Green Sense, the Earth Hour environmental action by World Wide Fund for Nature, and the Automated Demand Response Programme of the CLP Power Hong Kong Limited during the year.

CPCE於年內繼續支持環境局推行的《戶外燈光約章》、機電工程署的《節能約章》、環保觸覺的「香港無冷氣夜」、世界自然基金會的「地球一小時」行動，以及中華電力有限公司的「自動式夏季節電回贈」計劃。

### Promoting Environmental Awareness 提高環保意識

The CSAO organised for students various activities, including the Green Lifestyle Series and Hydroponic Gardening Project, so as to promote sustainability and to encourage everyone on campus to live and enjoy a greener lifestyle.

CSAO為學生舉辦一系列活動，包括綠色生活系列及水耕種植計劃，以推廣持續發展，並鼓勵校園上下共同努力，享受更綠色的生活。

CPCE entered Phase Four of the Green PolyU Awards – Green Office Programme in July 2019. A workshop on Plastic-free Lifestyle and a visit to St. James' Settlement Jockey Club Upcycling Centre were organised in late 2019; online seminars on Green Procurement and Sustainable Consumption and Maintaining Good Indoor Air Quality during the COVID-19 Pandemic were held in early 2020.

CPCE於2019年7月踏入理大第四階段「綠色空間·辦公室」計劃。於2019年年末，學院舉辦「走塑」工作坊及安排參觀聖雅各福群會賽馬會升級再造中心，並於2020年年初舉辦有關「環保採購及可持續消費」和「在新冠肺炎全球大流行期間維持室內良好空氣質素」網上研討會。

CPCE has also implemented the Guidelines on Waste Reduction for Large-scale Events on PolyU Hung Hom Bay and West Kowloon Campuses since Semester One 2019/20.

此外，自2019/20學年第一學期開始，CPCE推行了「理大紅磡灣及西九龍校園大型活動減廢指引」。

