





Research Power 研究力量

FUNDING TO SCALE IMPACT

善用撥款提升影響力

\$1.08B

external funding (+4.9% YoY) with **\$210.3m** from Research Grants Council

\$10.8億校外撥款(按年+4.9%),當中**\$2.103億**來自香港研究資助局



Highest

combined application success rate among all local universities for:

資助計劃的綜合申請成功率為本地**大學之冠**:

General Research Fund 一般研究基金

43%

Early Career Scheme 早期職業計劃

47%

1,743

funded projects (+12% YoY), covering areas including biomedical development, COVID-19 and Green Finance

1,743個獲資助項目(按年+12%),涵蓋生物醫學發展、新冠疫情研究及綠色金融

BUILDING FRONTIER RESEARCH HUBS

創立前沿研究樞紐

3 HKUST-led research labs

admitted to HKSAR government's flagship InnoHK initiative

3所由科大領導的研究實驗室,入選香港特區政府的創科旗艦項目「InnoHK創新香港研發平台」

Health@InnoHK

Air@InnoHK

Hong Kong Center for Neurodegenerative Diseases (HKCeND)

香港神經退行性疾病中心



Al Chip Center for Emerging Smart Systems (ACCESS)

智能晶片與系統研發中心



Hong Kong Center for Construction Robotics (HKCRC)

香港智能建造研發中心



EMPOWERING KNOWLEDGE AND TECHNOLOGY TRANSFER 促進知識及技術轉移

HKUST has created/incubated: 1 科大參與創立 / 培育: 1



9 間獨角獸



1,645 active start-ups

covering emerging fields including

1,645間初創企業涵蓋以下新興範疇



Chip Technology 晶片技術



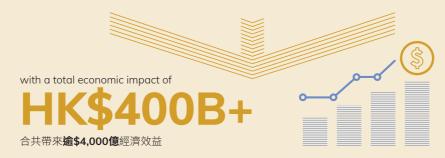
Upcycling 升級再造



Nanofilm Technology 納米薄膜技術



Sports Science 運動科學



Over 2021-22:

invention disclosures² (+19.3% YoY)

1,87

active granted patents / pending patent applications (+6.5% YoY)

在2021-22:

公佈**201**項新發明² (按年+19.3%)

1,873項獲批的專利及在效專利申請(按年+6.5%)

- 1. As at Sep 30, 2022 截至2022年9月30日
- 2. Intellectual property including new software developments created by HKUST personnel and disclosed to HKUST's Office of Knowledge Transfer. 由科大人員創造及向科大知識轉移辦公室披露的知識產權,包括新開發軟件

CUTTING-EDGE RESEARCH INFRASTRUCTURE 先進科研基建

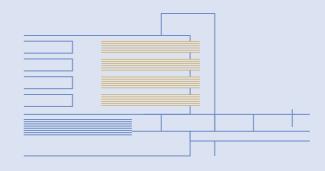


Life and Chemical Sciences and Technologies Building (design phase)

新科研樓2(設計階段)

Martin Ka Shing Lee Innovation Building (work in progress)

李家誠創科大樓(施工階段)



Talent Incubator 人才培育

NURTURING 21ST CENTURY SKILLS 掌握21世紀技能

Clear Water Bay 清水灣

BSc in Sustainable and Green Finance

Hong Kong's first undergraduate program nurturing green financial knowledge and skills

理學士(可持續發展及綠色金融

全港首個教授綠色金融知識及技能的學士課程

Extended Major in Digital Media and Creative Arts

Fostering technical skills to apply computing and media technologies across a variety of digital media

延伸主修數碼媒體及創意藝術

運用專業技能,將電腦及媒體科技應用於各種數碼媒體

Guangzhou 廣州

MBA in Innovation and Entrepreneurship

Integrating business, science and engineering using a project-based approach

工商管理碩士(創新及創業)

採用項目為本的模式結合工商、科學與工程學

MSc in Data-Centric Artificial Intelligence

Big data and AI, with hands-on project experience and industry internships

理學碩士(數據核心人工智能)

著重大數據及人工智能,提供務實的項目管理及 企業實習機會

DRIVING ALL-ROUND DEVELOPMENT 推動全人發展

Academic Excellence

\$93M

in scholarships for academic talents (+10% YoY)



發放**\$9,300萬**獎學金予優異生 (按年+10%)

Career

921 students

joined the Hong Kong government's STEM Internship Scheme, the highest among all participating universities (+76% YoY)

事業發展

921名學生參與香港政府推出的創科實習計劃, 為參與大學之冠 (按年+76%)

Service Learning Changemaker 30

campaign launched with 300 students participating in 98 community projects

服務學習

Changemaker 30 活動共300名學生 參與98個社區項目



Knowledge Transfer

Largest number of winners among local universities at Hong Kong's first City I&T Grand Challenge

- 3 champions
- 2 innovation awards
- 1 most favored honor

知識轉移

全港首屆城市創科大挑戰, 科大得獎人數為本地**大學之冠**

- 3 項冠軍
- 2 項創新獎
- 1 項最喜愛獎

Arts and Creativity

The Shaw Auditorium hosted 9 arts and cultural activities since opening in November 2021

藝術創意

逸夫演藝中心自2021年11月開幕以來,共舉辦9場文化 藝術活動



Growing Footprint 擴展足跡

NEW ERA OF GROWTH 開展新里程

Under HKUST 2.0, the University's Clear Water Bay and Guangzhou campuses will jointly: 在港科大2.0的願景下,清水灣及廣州校園將攜手合作:



Develop forward-looking creative talents

培育**高瞻遠矚的創新人才**

Pioneer disciplinary-oriented and cross-disciplinary research endeavors in emerging and frontier fields

在新興及前沿領域推動以學科為 主導及融合學科的研究





Drive knowledge transfer and commercialization in the Greater Bay Area and beyond

於大灣區及以外地區,推動**知識轉移**及 創新成果商業化

500+ postgraduate students studying at the new Guangzhou campus upon its opening in September 2022 逾500名學生於2022年9月廣州校園啟用時就讀研究生課程



Learn more about HKUST(GZ) 了解更多關於港科大(廣州)的資訊

EXPANDING REGIONAL AND GLOBAL CONNECTIONS

拓展區域及全球網絡

New strategic partnerships with mainland government and businesses in the Greater Bay Area: 與大灣區內的政府機構及企業結成新戰略夥伴:



Double carbon lab* to accelerate green development 建設雙碳實驗室,

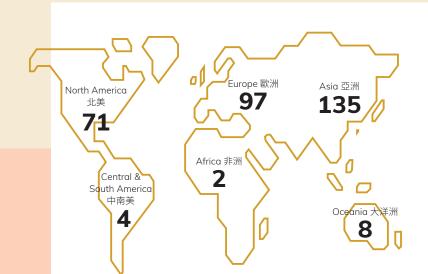


Sustainability and smart city research 研究可持續發 展及智慧城市



R&D and production base in Qingsheng, Guangzhou 於廣州慶盛建造科研 發展與生產基地

HKUST(GZ) partnered with the Jiangmen Municipal Government to build the Double Carbon Laboratory that will investigate carbon peak and carbon neutrality. 港科大(廣州)與江門市政府合作建設雙碳實驗室,研究碳達峰及碳中和。



active global institutional academic and research partnerships

31 agreements initiated over 2021-22 (+14.8% YoY)

與全球317所大學結為學術及科研夥伴 31份新協議於2021-22年簽署(按年+14.8%)

No. of Active Partners 活躍夥伴數目 (2021-2022)

Spearheading Campus Sustainability 推動校園可持續發展

The University's "2028 Sustainability Challenge" made good progress in four key areas: 大學「2028年可持續發展挑戰」行動計劃於四大範疇獲得良好進展:

Greenhouse gas (ton CO2-e)

溫室氣體排放(噸二氧化碳當量)

36,252

2014-15 as baseline 2014-15為基線 Electricity (kWh) 耗電量

89,692,408

4

-3.6%

Recyclables (ton)

1.120

回收量(噸)



+882%

Trash (ton) 廢物量 (噸)

1,575



-52.6%

Food waste recycling (ton) 廚餘回收量 (噸)

390



+13,348%

Gross floor area and campus population have increased by approximately 104,446m² (+22%) and 4,203 (+26%) respectively since 2014-15 自2014-15年度以來,校園總樓面面積及使用者分別增加104,446平方米 (+22%) 及4,203人 (+26%)

Landscape

Established sustainable performance goals to improve campus conditions

園境資源

定下可持續發展積效指標以 改善校園環境



Water

Recaptured water wasted through air conditioning and used in cooling towers

用水量

收集空調系統產生的廢水循環 用於冷卻水塔

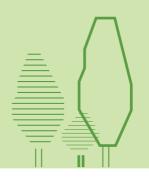
Well-being

Conducted surveys and focus groups to evaluate working conditions and learn how to foster an engaging environment for students and staff

身心健康

透過意見調查及小組訪談評估 工作環境,了解如何為學生及 員工建立良好的校園環境







BUILDING OUR COMMUNITY 建立大學社群

The **Sustainability/Net-Zero Office** established in September 2021 to strengthen sustainable campus culture and oversee "2028 Sustainability Challenge".

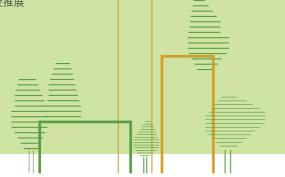
Goals encompass:

- Halving carbon emissions by 2035 and achieving carbon neutrality on campus by 2050 Initiatives launched over 2021-22:
- Incentive Scheme for Net-Zero Carbon Research Projects in collaboration with HKUST's GREAT Smart Cities Institute drew 9 entries and funded 4 projects
- Inaugural cross-campus Sustainable Smart Campus Net-Zero Journey: Innovation Challenge for students

可持續發展及零碳辦公室於2021年9月成立,以加強校園可持續發展文化及推展「2028可持續發展挑戰」為首要任務。

目標包括:

- 2035年前將碳排放減半,2050年前在校園達至碳中和 上年度落實之項目包括:
- 與科大「極智慧城市研究院」推出淨零排放研究獎勵計劃, 共有9個參賽作品,4個項目獲資助
- 舉辦首個跨校園「可持續發展智慧校園淨零之旅:設計思維挑戰大賽」



LIVING LAB 生活實驗室

150+ faculty members and **400 students** have participated in 30-plus Sustainable Smart Campus-funded projects, including:

- A smart cooling coating for photovoltaic solar panels to improve electricity conversion efficiency
- A tree-inspired and solar-driven transpiration system for humidity control in buildings

逾150名教職員及400名學生參與「可持續發展智慧校園」計劃,逾30個項目獲資助,包括:

- 為光伏板鋪設智能冷卻塗層
- 靈感來自樹木、以太陽能驅動的蒸騰系統,用作調節建築物濕度





2021 Sustainable Smart Campus Student Competition

The winning team organized second-hand items collection and marketplace on campus to promote zero waste.

舉辦2021可持續發展智慧校園大賽

勝出隊伍舉辦二手物品回收及市集,宣揚減廢目標

SUSTAINABILITY EDUCATION

可持續發展教育



1st Life Cycle Lab established at an academic institution in Hong Kong and the Greater Bay Area in 2022, providing training, research and support for students and academics

2022年成立香港及大灣區學術機構中首間生命週期實驗室,為師生提供培訓、研究及支援平台

95%

of recent graduates having taken at least one sustainability-focused course

95%畢業生完成最少一個以可持續發展為主題的課程

68%

of graduates have completed two or more courses

68%完成兩個或以上課程



Learn more about the HKUST "2028 Sustainability Challenge" 了解科大「2028可持續發展挑戰」的詳情

International Community 國際社群

STUDENTS 學生

26%

non-local student enrolments, highest among UGC-funded institutions*

26%非本地生, 冠絕教資會資助大學*

* from UGC data report 2021/22 來自教資會報告2021/22



FACULTY 教員

75%來自香港以外地方



Global Recognition 享譽全球

UNIVERSITY RANKINGS 大學排名

World 全球

World's Top 500+ Young Universities
Times Higher Education Young University Rankings 2022
2022《泰晤士高等教育》全球頂尖500+所年輕大學排名榜

World's Most International Universities
Times Higher Education Most International Universities
in the World 2022
2022《泰晤士高等教育》全球最國際化大學排名榜

#40 World's Top 1400+ Universities QS World University Rankings 2023 2023《QS全球大學排名》世界頂尖1400+所大學排名榜

#58 World's Top 1700+ Universities
Times Higher Education World University Rankings 2023
2023《泰晤士高等教育》全球頂尖1700+所大學排名榜

Asia 亞洲

#9 Asia's Top 600+ Universities
Times Higher Education Asia Universities Rankings 2022
2022 《泰晤士高等教育》亞洲頂尖600+所大學排名榜

#14
Asia's Top 500+ Universities
QS Asia University Rankings 2023
2023《QS亞洲大學排名》亞洲頂尖500+所大學排名榜

PROGRAMS AND FIELDS 課程與學科

#1 Global EMBA Rankings – Kellogg-HKUST EMBA Program – Financial Times 2022 凱洛格 – 科大EMBA課程 – 2022《金融時報》 全球EMBA課程排名

#1 Engineering subject in Hong Kong, #5 in Asia, #26 in the world Times Higher Education Universities Rankings 2023 by Subject 工程學科全港#1,亞洲#5,全球#26 2023《泰晤士高等教育》全球大學分科排名

FACULTY 教研人員

28% of faculty members ranked as World's Top 2% Scientists 2022 – Stanford University 教員請身2022全球頂尖2%科學家排名 史丹福大學

EMPLOYABILITY 畢業生就業能力

in Hong Kong, #3 in Greater China, #30 in the world Global University Employability Ranking 2022, produced by Emerging and published by Times Higher Education

大學就業能力排名全港#1,大中華#3,全球#30 由人力資源顧問公司Emerging於2022 《泰晤士高等教育》發佈



More university-wide rankings 更多大學排名