

A Glance at HKUST

2020-2021

香港科技大學重點成果



RESEARCH POWER 科研實力

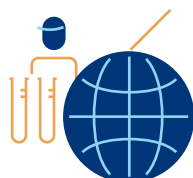
RESEARCH ASSESSMENT EXERCISE 研究評審工作

Among the research work submitted by 446 of HKUST's eligible faculty members for UGC Research Assessment Exercise 2020: 科大共有 446 名合資格教學人員向教資會 2020 年度研究評審工作提交研究項目，當中：

81%

rated as “**internationally excellent**” or “**world-leading**”

81% 獲評為「國際卓越」或「世界領先」



89%

of research impact cases had “**considerable or outstanding impacts**”

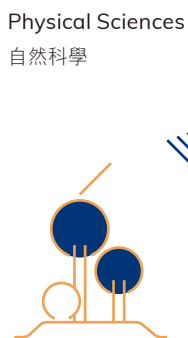
89% 研究影響個案獲評為具有「相當重要以至出眾的影響力」

Highest

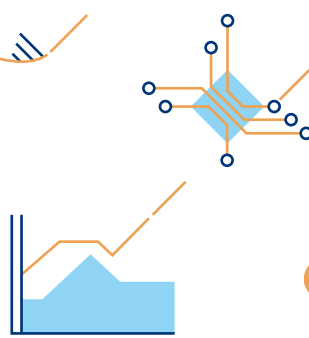
percentage of “**world-leading**” research among all local universities in:

科大在以下領域的研究工作獲評為「世界領先」，比例為所有本地大學之冠：

Physical Sciences
自然科學



Built Environment
建造環境



Business & Economics
商科及經濟

Electrical & Electronic Engineering
電氣及電子工程



Social Sciences
社會科學

RESEARCH FUNDING 研究經費

\$1.03b external funding

with **\$247.6m** from Research Grants Committee (+25% YoY)

\$10.3 億校外撥款，當中 **\$2.476 億** 來自香港研究資助局(按年+25%)



1,556 funded projects

covering areas such as Smart Urban Environments, Alternative Energy and Preparedness for Novel Infectious Diseases

1,556 個獲資助項目，涵蓋智慧都市環境、替代能源、新型傳染病準備等範疇

KNOWLEDGE & TECHNOLOGY TRANSFER 知識及技術轉移

176 inventions disclosed
(+19.7% YoY)

公佈 **176 項新發明**(按年+19.7%)

991 cumulative active granted patents (+13.4% YoY)

991 項累計在效專利授權(按年+13.4%)



290 HKUST-incubated start-ups and spin-offs (+27% YoY)

由科大育成的初創及分拆公司總數增至 **290** (按年+27%)

70 start-ups and spin-offs supported by HKUST Mainland platforms

70 家初創及分拆公司獲科大內地平台支援



Discover how HKUST empowers unlimited research possibilities

了解科大如何推動科研實現無盡可能

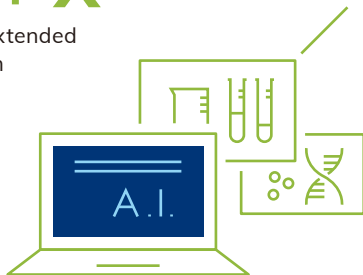
LEARNING JOURNEY 求學之旅

PIONEERING PROGRAMS 嶄新課程

Major + X

Hong Kong's first "Extended Major" degree option

香港首個學士「延伸主修」課程



- Students can complement their mainstream major with learning about AI

學生可在主修科之外同時修讀 AI 課程

- More "X" options planned: Digital Media and Creative Arts

更多 "X" 選項在籌劃階段：數碼媒體及創意藝術

PhD Dual-Degree

Clear Water Bay-Guangzhou

清水灣-廣州雙博士學位課程



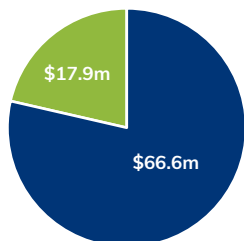
- Faculty members of both campuses co-supervise PhD students

由兩個校園的教授共同指導博士生

- Available in **15** research thrust areas, including Sustainable Energy and Environment, Artificial Intelligence, and Computational Media and Arts

適用於 **15** 個研究學域，包括可持續能源及環境、人工智能，以及計算媒體與藝術

TIMELY FUNDING 適時資助



■ UG 本科生
■ PG 研究生

\$84.5m

in **scholarships** for academic merit and outstanding UG and PG talents

發放 **\$8,450 萬獎學金** 予學業成績優異及才華卓越的學生

\$10.3m

financial aid offered (+54% YoY) to 274 students (+24% YoY)

發放 **\$1,030 萬助學金** (按年+54%)，支援 274 名學生 (按年+24%)



CAREER PREPARATION 事業規劃

3,791

HKUST-exclusive job postings (+106% YoY)*

3,791 份專屬科大生的職位空缺 (按年+106%)*

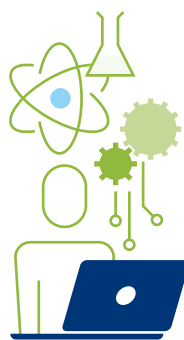


* Jan-May 2020
2020 年 1 月至 5 月

522

students joined the Hong Kong government's STEM Internship Scheme, the highest among all participating local universities

522 名學生參與香港政府的「創科實習計劃」，為本地參與大學之冠



GROWTH & COMPETITIVENESS

擴展實力

HKUST STRATEGIC PLAN 2021-2028

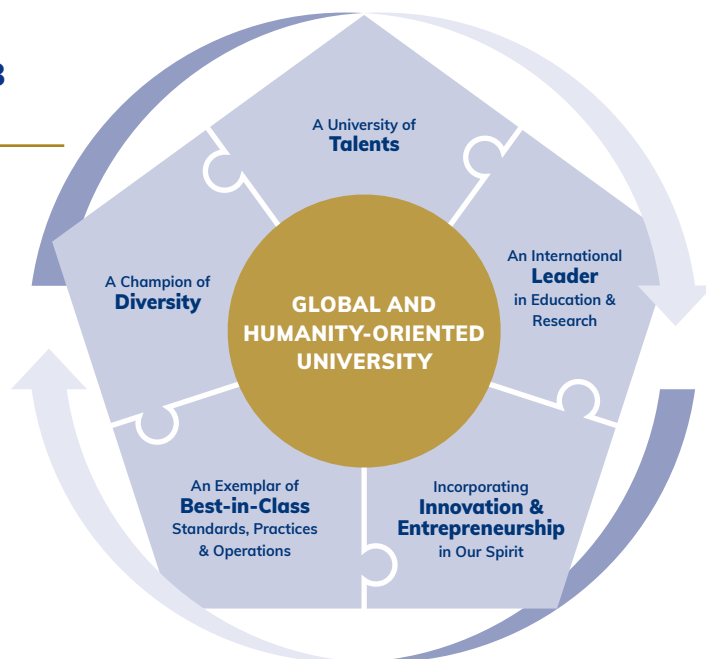
科大《策略發展計劃2021-2028》

As HKUST heads toward the next phase of development, we have sharpened and refreshed five strategic objectives to sustain and advance the University as a trendsetter in education and research for the long term, and to address the evolving needs and challenges facing society.

在科大邁向下一個發展階段之際，我們更新及強化了五項策略目標，以長遠維持和提升科大在教研兩方面的領導地位，應對社會上層出不窮的轉變和挑戰。



Learn more about the Plan
了解《策略發展計劃》詳情

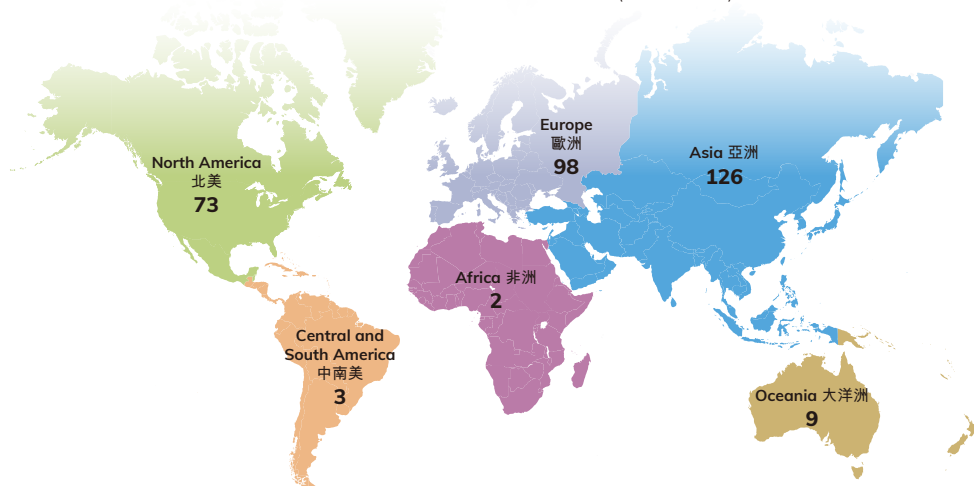


REACHING BEYOND HONG KONG 超越香港

311 active global institutional academic and research partnerships

與全球**311**所大學結成夥伴，開展學術及科研合作

No. of Active Partners 活躍夥伴數目 (2020-2021)



4 strategic partnerships

with Mainland organizations to foster innovation leaders in emerging areas:

與內地機構在**4個範疇**建立**策略性夥伴關係**，培育新興領域的創意領袖：



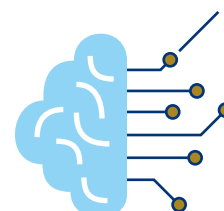
Fintech
金融科技



Digital Economy
數碼經濟



Intelligent Transportation
智能交通運輸

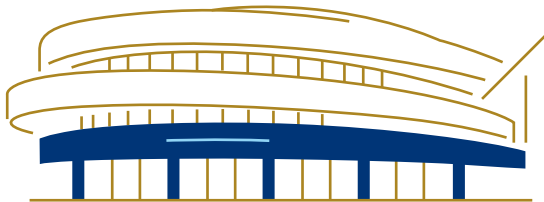


AI
人工智能

Future Hub for Innovation and Collaboration at Clear Water Bay:
清水灣校園將成創意及合作樞紐：

Shaw Auditorium

逸夫演藝中心



Final Stage (opening in Nov 2021)

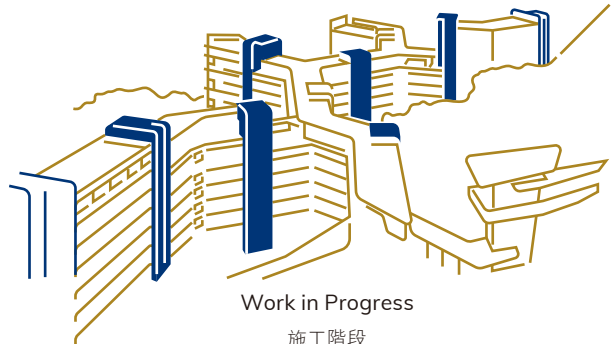
最後階段(於2021年11月揭幕)



Learn more about Shaw Auditorium's world-class features
了解逸夫演藝中心的世界級設施

1,551-bed Jockey Club i-Village

賽馬會創新學生村提供1,551個宿位

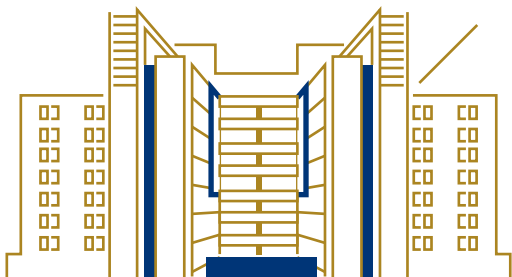


Work in Progress

施工階段

Jockey Club Global Graduate Tower

賽馬會集賢樓

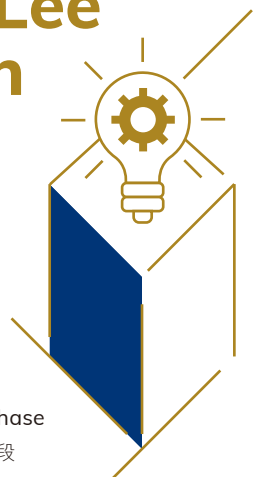


Completed (opening in Oct 2021)

竣工(於2021年10月揭幕)

Martin Ka Shing Lee Innovation Building

李家誠創科大樓



Design Phase

設計階段

Full Speed Ahead for HKUST(GZ): 全速興建港科大(廣州)：

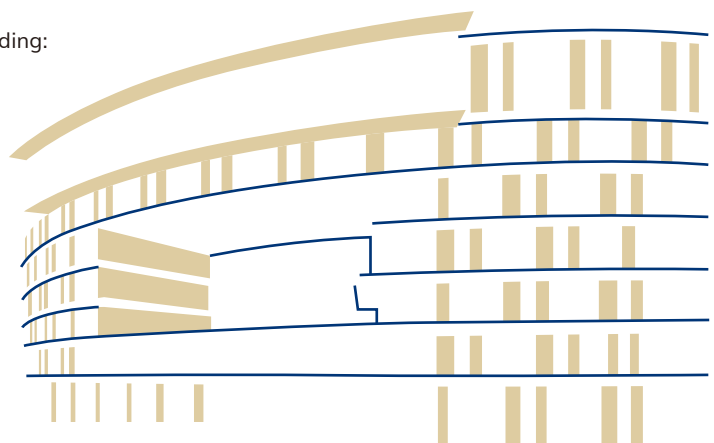
First academic and research building topped out
教科研樓首棟建築完成封頂

The building will house cutting-edge research labs, including:
尖端科研實驗室進駐，包括：

- ▶ Nanosystem Fabrication Facility
納米系統製造實驗室
- ▶ Electromagnetic/Acoustic Wave Lab
電磁/聲波實驗室
- ▶ Polymer Lab
高分子聚合物實驗室



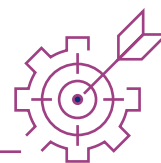
Keep abreast of HKUST(GZ)'s development progress
了解港科大(廣州)的發展進度



SUSTAINABLE SMART CAMPUS

可持續發展智慧校園

Master plan evolved into “2028 Sustainability Challenge” driving 4 areas of focus:
延續首個發展藍圖，制定「2028可持續發展挑戰」推動 4 大範疇的可持續發展工作：



PROGRESS & PERFORMANCE 進度及表現

2020-21

2028 Objective 目標

Electricity (kWh)
耗電量(千瓦小時)
88,318,175



-5.1%*

Trash (ton)
廢物量(噸)
1,440



-56.6%*

Recyclables (ton)
回收量(噸)
1,030



+804%*

Food waste
recycling (ton)
廚餘回收量(噸)

393



+13,452%*

Greenhouse gas
(ton CO₂-e)
溫室氣體排放(噸二氧化碳當量)
45,332



-26.0%*

* 2014-2015 as baseline
2014-2015 為基線

-15% Reduction in
electricity consumption
-15% 耗電量

-75% Reduction in trash
-75% 廢物

< 500,000 m³
Reduction in potable water
consumption
飲用水消耗量減至 < 500,000 立方米

Landscape and Biodiversity
景觀美化及生物多樣性

Community Well-being
社群福祉



SUSTAINABILITY EDUCATION 可持續發展教育

2020-21

2028 Objective 目標

95% of recent graduates
completed at least one
sustainability-focused course

68% completed 2 or
more courses

95% 畢業生已完成最少一個以可持續發展為主題的課程
68% 已完成兩個或以上課程



100% of students to
graduate with sustainability
skills and competencies to
address future career challenges
100% 同學畢業時皆已掌握可持續發展
的技巧和能力，足以應對日後事業
上的挑戰



2020-21

2028 Objective 目標

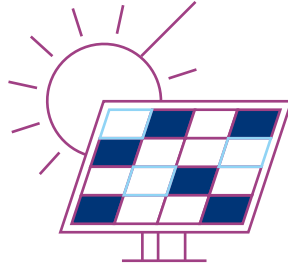
8,000 solar panels

installed over 50 campus locations
(largest in Hong Kong)

於校園逾50個地點安裝**8,000塊**太陽能板
(全港規模最大)



Project details
項目詳情



A **vibrant community** of
**faculty, staff,
and students**

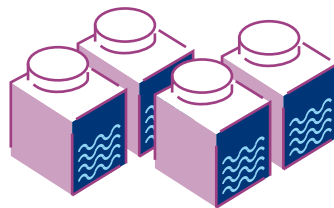
striving for sustainability goals

建立包含教職員及學生的**活躍社群**，
努力達致可持續發展的目標

4 freshwater cooling towers

installed, estimated to save about
1.8 m kWh in energy consumption

安裝**4個**淡水冷卻水塔，估計可減少
耗電量約180萬千瓦小時



LIVING LAB 生活實驗室



2020-21

2028 Objective 目標

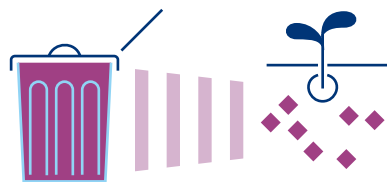
A total of **30 sustainability projects** have been funded since the launch of Sustainable Smart Campus as Living Lab. Projects approved in 2020-21 include:

可持續發展智慧校園自推出以來，共有**30個可持續發展項目**獲得資助。

於2020-21年度獲批項目包括：

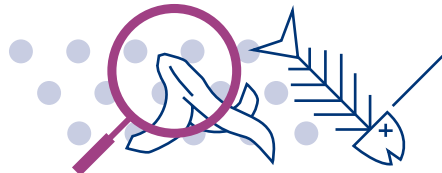
An innovative way to
turn waste to soil
amendments

將廢料轉化為土壤改良的
創新方法



Food waste
analytics

廚餘分析

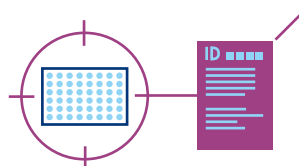


Lab trays with smart tracking

實驗室貯存智能追蹤



Project details
項目詳情



Transform the campus
into a platform for

**learning,
experimenting,
and new
sustainability
ideas**

將校園轉化為**學習、試驗及實踐創新**
可持續發展構思的平台



More about Living Lab
更多有關生活實驗室詳情

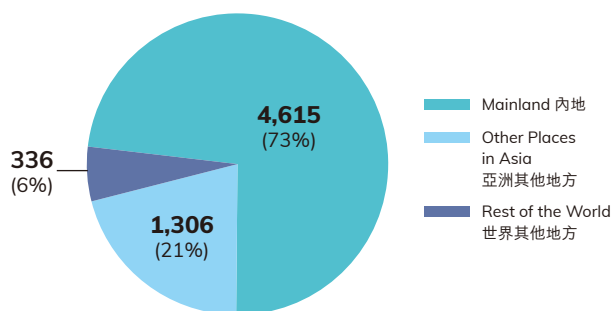
MULTICULTURAL COMMUNITY 多元人才

STUDENT 學生

25% non-local student enrolments, **highest** among UGC-funded institutions*

25% 非本地生，冠絕教資會資助大學*

* from UGC data report 2019/20-2020/21
來自教資會報告 2019/20-2020/21



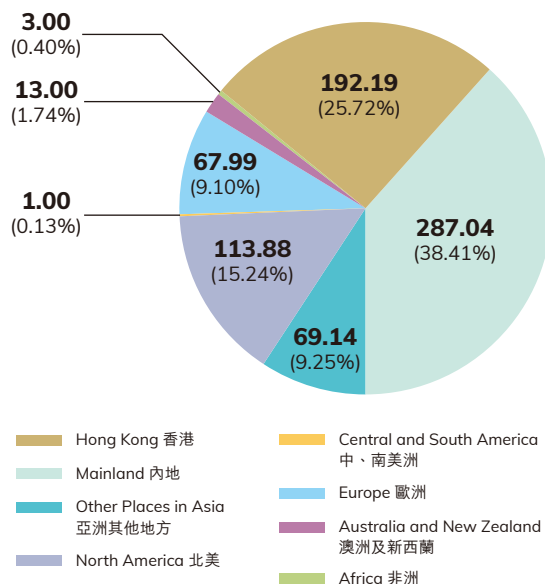
5%+ increase in applications from international students representing 74 nationalities, despite COVID situation.

儘管受到新冠肺炎疫情影響，本年度國際學生入學申請人數仍上升**5%**，覆蓋全球74個國家。

FACULTY 教員

75%+ from places outside Hong Kong
75%+ 來自香港以外地方

Full-time equivalent 全職人員*



* as of Jun 30, 2021 截至2021年6月30日

GLOBAL RECOGNITION 享譽全球

UNIVERSITY RANKINGS 大學排名

#2 World's Top 150 Universities Under 50
QS Top 50 Under 50 2021
2021《QS全球年輕大學排名》世界頂尖150所年輕大學

#3 World's Top 450+ Young Universities, Times
Higher Education Young University Rankings 2021
2021《泰晤士報高等教育》全球頂尖450+所年輕大學
排名榜

#8 Asia's Top 500+ Universities, Times Higher
Education Asia Universities Rankings 2021
2021《泰晤士報高等教育》亞洲頂尖500+所大學排名榜

#34 World's Top 1000+ Universities
QS World University Rankings 2022
2022《QS全球大學排名》世界頂尖1000+所大學
排名榜

TOP-RANKED PROGRAMS 頂尖課程

#2 Global EMBA Rankings – Kellogg-HKUST EMBA
Program – Financial Times 2021
凱洛格-科大EMBA課程 – 2021《金融時報》
全球EMBA課程排名

#3 QS Global Joint EMBA Rankings –
Kellogg-HKUST EMBA Program – QS Global Joint
EMBA Rankings 2021
凱洛格-科大EMBA課程 – 2021
《QS全球聯合EMBA排名》

EMPLOYABILITY 畢業生就業能力

#23 Global University Employability Ranking 2021,
Emerging
Emerging 2021全球大學就業能力調查及排名



More university-wide rankings
更多大學排名