

# WORLD-CLASS EXCELLENCE AND INNOVATION FOR SOCIETAL IMPACT

An Overview of PolyU





# OUR MOTTO

TO LEARN  
AND TO APPLY,  
FOR THE BENEFIT  
OF MANKIND

The Hong Kong Polytechnic University (PolyU) strives to be an innovative world-class university that pursues excellence in education, research, and knowledge transfer for the benefit of Hong Kong, the Nation, and the world. The University nurtures socially responsible professionals and leaders with a strong sense of national pride and a global perspective, and pursues world-leading research and innovation for societal benefits. A robust culture of knowledge transfer and entrepreneurship is a cornerstone of the University, ensuring PolyU's technologies are transformed into practical real-world applications. The University's unwavering commitment to excellence has earned it international recognition, with PolyU consistently ranking among the top 100 universities worldwide. Based on this solid foundation, the University will continue to make positive contributions to society to foster a brighter future, living up to its motto, "To learn and to apply, for the benefit of mankind".

## GLOBAL RANKINGS

54<sup>th</sup>

QS\* World  
University Rankings  
2026

58<sup>th</sup>

U.S. News & World Report  
Best Global Universities  
Rankings 2025/26

84<sup>th</sup>

THE# World  
University Rankings  
2025

3<sup>rd</sup>  
THE World's  
Most International  
Universities 2025

18<sup>th</sup>  
THE Asia  
University Rankings  
2025

7<sup>th</sup>  
THE Young  
University Rankings  
2024

29<sup>th</sup>  
THE Interdisciplinary  
Science Rankings  
2025

17<sup>th</sup>  
QS Asia  
University Rankings  
2025

56<sup>th</sup>  
THE Impact  
Rankings  
2025

\* QS: Quacquarelli Symonds  
# THE: Times Higher Education



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**PolyU's relentless pursuit of excellence in education and research has earned us a spot among the top 100 universities worldwide.**

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## CHAIRMAN'S MESSAGE

### A LEGACY OF MAKING A DIFFERENCE IN SOCIETY

PolyU has come a long way since its inception in 1937. From its beginnings as a post-secondary technical school to becoming a full-fledged university in 1994, PolyU and its predecessors have played a crucial role in the social and economic development of our society. With a global alumni network of more than 490,000 graduates, the University has fostered numerous distinguished leaders spanning various professions, industries, businesses, and communities, who have made a positive impact on the world.

Today, PolyU's relentless pursuit of excellence in education and research has enabled us to soar to 57th place in the QS World University Rankings 2025. Over the years, the University has also made remarkable breakthroughs, including developing innovations to support our country's historic space missions, such as the Nation's first lunar sample return missions, Chang'e-5 and Chang'e-6 to the Moon and far side of the Moon respectively, and its first Mars exploration mission, Tianwen-1.

As PolyU's Council Chairman and a proud alumnus, I have had the privilege of witnessing our remarkable progress. This journey has been made possible by the support of the central and local governments as well as our dedicated council members, management team, staff, scholars, alumni, students, partners, and friends, and I am grateful for their steadfast contributions.

Moving forward, PolyU remains committed to growing alongside Hong Kong and playing a pivotal role in the scientific and technological development of the Greater Bay Area, the Nation and beyond, adhering to its motto, "To learn and to apply, for the benefit of mankind." With an unwavering focus on the betterment of society, we will continue to nurture leading talent and drive innovation to foster a brighter future.

**Dr Lam Tai-fai**, GBS, JP  
Chairman of Council

## PRESIDENT'S MESSAGE

### ACADEMIC EXCELLENCE FOR SOCIETAL IMPACT

For over eight decades, PolyU has strived to live up to our motto, "To learn and to apply, for the benefit of mankind." This guiding principle is reflected in our holistic education, which nurtures students to become socially responsible professionals and leaders with a strong sense of national pride and a global perspective.

It is also reflected in the passion of our scholars and scientists to address society's most pressing challenges through impactful research and embracing a strong culture of knowledge transfer and entrepreneurship. By translating their research breakthroughs into practical solutions for industries, businesses, and communities, they enhance the sustainability and prosperity of our world.

In addition, as an innovative world-class university with a reputation for excellence in Engineering and Technology, as well as our unique disciplines among the eight publicly funded universities in Hong Kong, such as Design, Fashion and Textiles, Geomatics, Hotel and Tourism Management, Maritime Studies, Optometry and Rehabilitation Sciences, we are well-positioned to continue driving innovation and contributing to the development of Hong Kong as an international innovation and technology centre in the Greater Bay Area, as well as the socio-economic advancement of our country and the global community.

I am confident that with the continued backing of the Nation, the Hong Kong Government, our benevolent donors, esteemed alumni, industry collaborators, academic partners, and numerous other stakeholders across various sectors, we will continue to elevate our position as an innovative world-class university that directly meets evolving societal needs.

**Professor Jin-Guang Teng**, BBS, JP  
President

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**We will continue to elevate our position as an innovative world-class university that directly meets evolving societal needs.**

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## A PROUD HISTORY, A PROMISING FUTURE

PolyU is fundamentally linked with the development of Hong Kong. Over the years, the University has played an important role in the different stages of social and economic development of our community, helping to propel progress in Hong Kong, the Nation and the world.



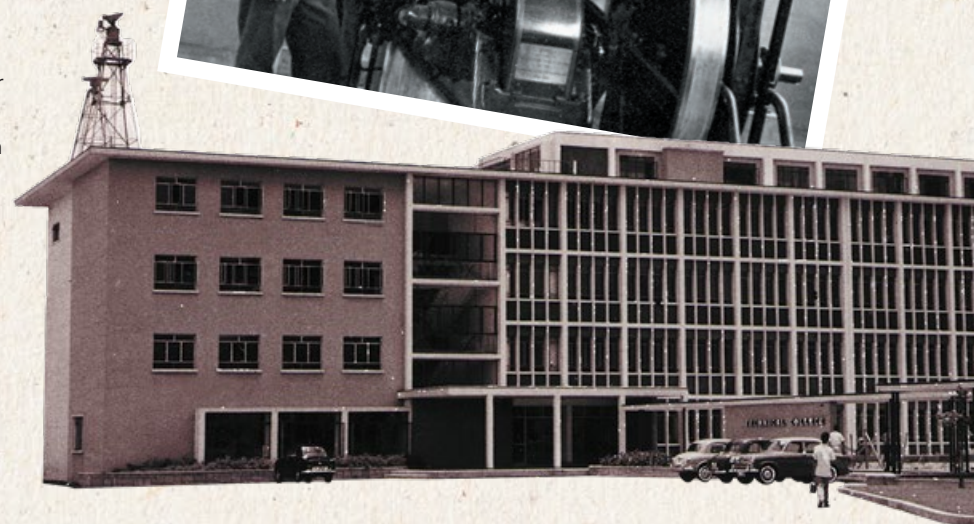
### 1937 GOVERNMENT TRADE SCHOOL

PolyU has its origin in the development of local technical education in the years preceding World War II. The **Government Trade School**, the University's first predecessor, opened on Wood Road in Wanchai in 1937 and was the first publicly funded post-secondary technical institution in Hong Kong. Around 70 students filled classes run by three departments offering courses in marine wireless operating, mechanical engineering and building construction.



### 1947 HONG KONG TECHNICAL COLLEGE

Renamed the **Hong Kong Technical College** after World War II, the institution offered both full- and part-time courses to meet the soaring demand for trained technicians and professionals. The year 1957 saw the opening of new premises in Hung Hom, signifying the beginning of a new chapter in industrial education in Hong Kong.



### 1994 THE HONG KONG POLYTECHNIC UNIVERSITY

The Polytechnic gained approval from the University and Polytechnic Grants Committee for the self-accreditation of degree programmes. On 25 November 1994, the institution assumed full university status, with its name changed to **The Hong Kong Polytechnic University** and the University's new logo was formally introduced.

#### POLYU TODAY

PolyU is ranked among the world's top 100 universities today, inspiring all its members to excel in their aspirations, living up to the University's motto: **"To learn and to apply, for the benefit of mankind"**. With an aspiration to drive positive impact and a heart to serve, PolyU continues to stay at the forefront of education and research, further pushing the boundaries of knowledge and innovation.



### 1972 HONG KONG POLYTECHNIC

The **Hong Kong Polytechnic** was formally established, with a mandate to provide professional education to meet the community's workforce needs. Early Polytechnic courses covered engineering, commerce, management, mathematics, science, nautical studies and textiles.

The campus underwent several phases of development to accommodate the ever-expanding number of academic programmes and student population, and the iconic "red brick castle" architecture began to take shape in 1976.





FACULTIES/SCHOOLS





**Faculty of Business**  
工商管理學院

- Department of Logistics and Maritime Studies
- Department of Management and Marketing
- School of Accounting and Finance



**Faculty of Computer and Mathematical Sciences**  
計算機及數學科學學院

- Department of Applied Mathematics
- Department of Computing
- Department of Data Science and Artificial Intelligence



**Faculty of Construction and Environment**  
建設及環境學院

- Department of Building Environment and Energy Engineering
- Department of Building and Real Estate
- Department of Civil and Environmental Engineering
- Department of Land Surveying and Geo-Informatics



**FACULTY OF ENGINEERING**  
工程學院  
WHERE CONCEPTS BECOME REALITY

- Department of Aeronautical and Aviation Engineering
- Department of Biomedical Engineering
- Department of Electrical and Electronic Engineering
- Department of Industrial and Systems Engineering
- Department of Mechanical Engineering



**Faculty of Health and Social Sciences**  
醫療及社會科學院

- Department of Applied Social Sciences
- Department of Health Technology and Informatics
- Department of Rehabilitation Sciences
- School of Nursing
- School of Optometry



**Faculty of Humanities**  
人文學院

- Department of Chinese and Bilingual Studies
- Department of Chinese History and Culture
- Department of English and Communication
- Chinese Language Centre
- English Language Centre
- Confucius Institute of Hong Kong



**FACULTY OF SCIENCE**  
理學院

- Department of Applied Biology and Chemical Technology
- Department of Applied Physics
- Department of Food Science and Nutrition



**POLYU DESIGN**



**School of Fashion & Textiles**  
時裝及紡織學院



**shtm**  
SCHOOL OF HOTEL & TOURISM MANAGEMENT

GRADUATE SCHOOL



The Graduate School (GS) at PolyU plays a crucial role in planning, managing, and ensuring the quality of our research postgraduate (RPg) education. With top-quality RPg programmes across ten Faculties/Schools and joint PhDs with leading universities, the GS fosters interdisciplinary research collaboration among students, academia, and industry to address the changing needs of Hong Kong, the Nation and the world.

SUBJECT RANKINGS



by Subject 2025

1<sup>st</sup>

11<sup>th</sup>

Hospitality and Leisure Management

16<sup>th</sup>

Nursing

17<sup>th</sup>

Architecture and Built Environment

17<sup>th</sup>

Civil and Structural Engineering

1<sup>st</sup>

22<sup>nd</sup>

Art and Design

22<sup>nd</sup>

Marketing

1<sup>st</sup>

27<sup>th</sup>

Environmental Sciences



by Subject 2025

37<sup>th</sup>

Business and Economics

41<sup>st</sup>

Engineering

68<sup>th</sup>

Social Sciences

74<sup>th</sup>

Computer Science

97<sup>th</sup>

Physical Sciences



by Subject 2024/25

1<sup>st</sup>

2<sup>nd</sup>

Civil Engineering

1<sup>st</sup>

5<sup>th</sup>

Engineering

1<sup>st</sup>

6<sup>th</sup>

Mechanical Engineering

1<sup>st</sup>

11<sup>th</sup>

Green and Sustainable Science and Technology

1<sup>st</sup>

18<sup>th</sup>

Environmental Engineering



by Subject 2024

1<sup>st</sup>

1<sup>st</sup>

Hospitality and Tourism Management

1<sup>st</sup>

2<sup>nd</sup>

Civil Engineering

1<sup>st</sup>

2<sup>nd</sup>

Transportation Science and Technology

1<sup>st</sup>

4<sup>th</sup>

Management

1<sup>st</sup>

7<sup>th</sup>

Textile Science and Engineering



# WHOLE-PERSON EDUCATION



## NURTURING BRIGHT MINDS AND CONTRIBUTING TO SOCIETY

PolyU strives to provide a holistic learning experience that nurtures socially responsible professionals, and leaders with a strong sense of national pride and a global perspective. Our goal is to cultivate and encourage individuals to contribute to the long-term development of Hong Kong, the Nation, and the world.

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**170+**  
Programmes

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**32,000+**  
Students

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**9**  
Cumulative No. of UGC Teaching  
Awards Received



# WORLD-CLASS EDUCATION

PolyU's commitment to providing students with world-class education is reflected in our ranking as one of the world's top 100 universities, according to prestigious organisations, including the QS World University Rankings, Times Higher Education, and U.S. News & World Report.

PolyU is listed 77th globally in the Times Higher Education Impact Rankings 2024, with its contribution to "Quality Education" (one of the United Nations' Sustainable Development Goals used for assessment) standing out among its peers, ranking 4th globally.

Furthermore, the QS World University Rankings by Subject 2025 placed seven PolyU subjects in the Global Top 30. Notably, Nursing (16th) has climbed to its highest position in a decade (More on p. 8).

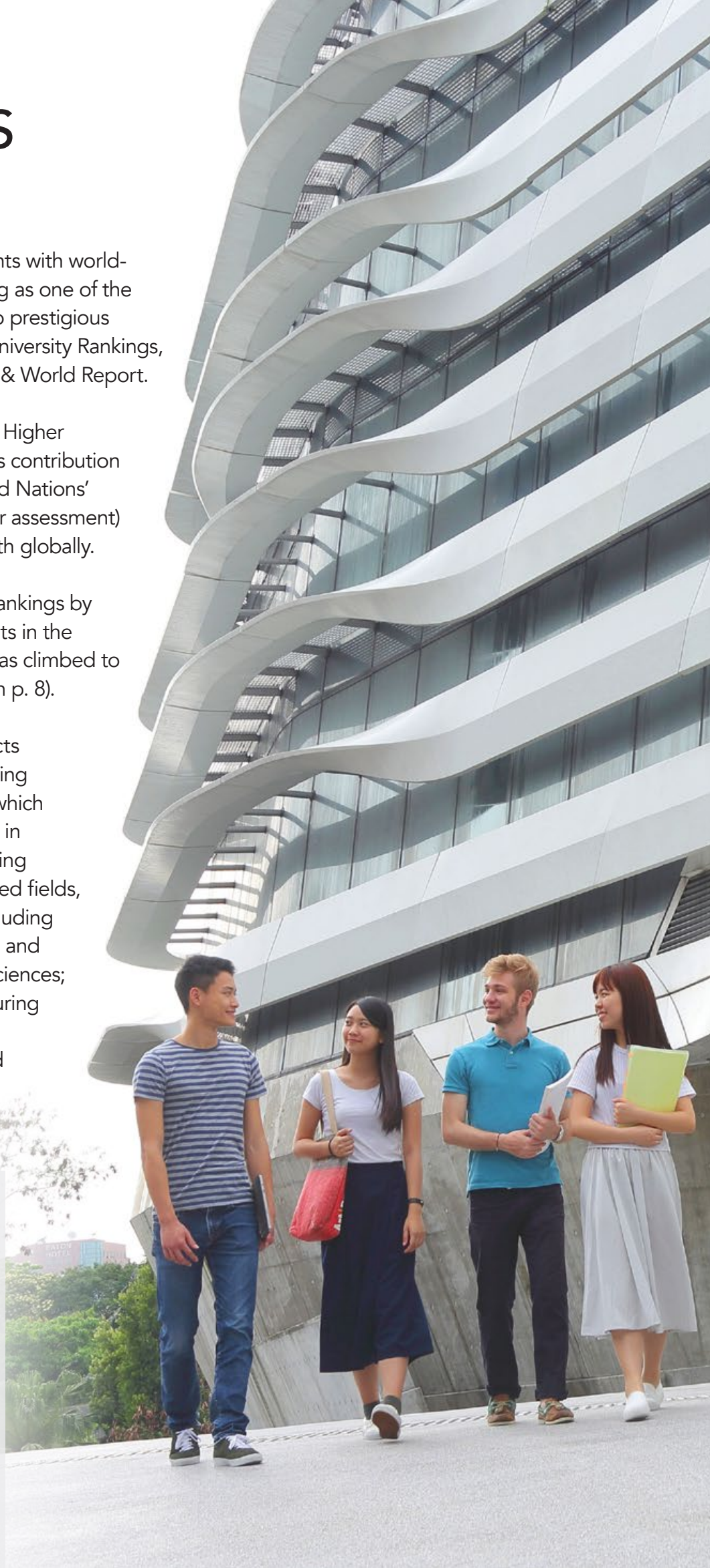
Additionally, the University has 26 subjects breaking into the world's top 100, including Data Science and Artificial Intelligence, which ranked 40th globally. With its excellence in construction, environment and engineering disciplines, as well as in technology-related fields, PolyU also shines in related subjects, including Architecture and Built Environment; Civil and Structural Engineering; Environmental Sciences; Mechanical, Aeronautical and Manufacturing Engineering; Electrical and Electronic Engineering, and Computer Science and Information Systems.

## QS WORLD UNIVERSITY RANKINGS BY SUBJECT 2025

### 7 subjects in the Global Top 30

- Hospitality & Leisure Management\*
- Nursing
- Architecture & Built Environment
- Civil & Structural Engineering
- Art & Design\*
- Marketing
- Environmental Sciences\*

\* No. 1 in Hong Kong



# INNOVATIVE CURRICULUM READY FOR THE FUTURE

PolyU has introduced a number of innovative initiatives into the curriculum to help students reach their full potential, empower them to thrive in a technology-driven world, and equip them with the knowledge and skills needed for success.

## FACULTY-BASED ADMISSIONS ENHANCE FLEXIBLE CAREER PATHS

To provide more flexible progression pathways for students entering PolyU so that they can adapt to evolving societal needs, PolyU is introducing Faculty-based admissions. From the 2025/26 academic year onwards, all students within the same Faculty (or School) will undertake a Common Year One curriculum, establishing a strong foundation for their academic journey. After their first year, students can decide whether to continue with their initial programme choice or switch to another one within the same Faculty (or School), depending on their aspirations and year-one performance.

A Bachelor's Degree Scheme in Interdisciplinary Studies will also be launched in conjunction with the Faculty-based admissions. Students enrolled into this University-level Scheme will enjoy the opportunity to be considered for entry into any of PolyU's programmes after year one. This initiative provides students with a broader educational base, while simultaneously supporting their development into well-rounded graduates who can address societal needs.

the BSc (Hons) Scheme in Data Science and Artificial Intelligence in the 2025/26 academic year and establishing the "PolyU Academy for Artificial Intelligence" to fully leverage its academic and research strengths in this emerging field.

## EDUCATIONAL INNOVATIONS

The University is continually integrating advanced learning technologies into its educational approach and the underlying curriculum. Recent educational innovations include HiVE (Hybrid Immersive Virtual Environment) – the world's first large-scale extended-reality hybrid classroom. HiVE uses fully immersive Cave Automatic Virtual Environment (CAVE) technology to create an immersive 2D or 3D environment that helps students visualise abstract concepts and experience the limitless possibilities of the digital world. Additionally, PolyU has established the Institute for Higher Education Research and Development (IHERD) to spearhead further innovations in higher education.

## AI AND ENTREPRENEURSHIP

To cultivate leaders adept at navigating emerging technologies and the era of artificial intelligence (AI), PolyU has incorporated "Artificial Intelligence and Data Analytics" (AIDA) and "Innovation and Entrepreneurship" (IE), as the General University Requirements, into the undergraduate curriculum. Students can also choose these subjects as minors or secondary majors (i.e., "X + AIDA" programmes, or "X + IE" programmes).

Having identified AI as one of its strategic research areas, PolyU established the Faculty of Computer and Mathematical Sciences in 2025, while actively recruiting accomplished AI scholars from around the globe. The University is launching





# EMPOWERING FUTURE LEADERS

PolyU is committed to preparing students to become future leaders who can inspire positive social change while embracing their unique skill sets - whether in tech, research, sports, arts, STEM, and more.

## FOSTERING KNOWLEDGE CREATORS VIA URIS

Designed to develop a new generation of enquirers and problem-solvers, our Undergraduate Research and Innovation Scheme (URIS) connects undergraduates with research projects supervised by university scholars. URIS students automatically join the virtual College of Undergraduate Researchers and Innovators (CURI), and receive priority allocation to the CURI Residential College with young academics as resident tutors.



## CULTIVATING DIVERSE STRENGTHS VIA STARS

PolyU admits students with exceptional talent in sports, arts and culture, leadership and community services, and STEM through our Special Talents Admission and Recognition Scheme (STARS). A vibrant learning community awaits these outstanding students in our STARS Residential College.



## ATHLETIC AND ACADEMIC SUCCESS

The University offers high-potential student-athletes the best of both worlds: the opportunity to study while pursuing excellence in sports. Our Outstanding Sportsmen Recommendation Scheme (OSRS) has already admitted over 1,500 elite athletes. It is complemented by the Student-Athlete Learning Support and Admission Scheme (SALSA), and an Elite Athletes Study Programme with the Hong Kong Sports Institute.

## ART AND CULTURE

Art and culture are essential to PolyU's holistic education, with programmes covering performing arts, visual arts, film, creative media, literature, history, and cultural heritage. The PolyU Orchestra, PolyU Choir and PolyU Theatre also provide outlets for students to explore their creative side and develop valuable skills.

Our Artist-in-Residence (AIR) programme was established in 1999 to promote cultural exchange between students and professional artists. Over the years, more than 30 renowned artists have been invited to engage with university community. They include music maestro and University Fellow Mr Leung Kin-fung, Historian-in-Residence Professor Joseph Ting Sun-pao, contemporary ink painting pioneer Mr Wucius Wong, King of Drama Dr Chung King-fai, and the eminent Cantonese opera artiste Mr Yuen Siu-fai.

To further advance our artistic and cultural impact on the community, the University established the PolyU Artists' Alliance. Since 2023 its Convenor, the highly respected performing artist and University Fellow Dr Liza Wang, has successfully brought together a host of artists from different fields.



## INSPIRING KNOWLEDGE & EXCHANGING WISDOM

PolyU's university-wide mentorship programme, "INSPIRE", offers coaching, life experience-sharing, and job shadowing led by alumni, University Fellows, Council and Court members, and other outstanding leaders. The programme has over 440 mentors and 2,000 mentees, enabling students to enhance their personal, academic, and professional development.





CULTIVATING SOCIAL VALUES AND NATIONAL PRIDE

We believe the responsibility of education extends beyond imparting professional skills and academic knowledge to the next generation; it also encompasses cultivating a positive outlook on life and instilling commendable values.

PolyU's curriculum promotes leadership integrity, law-abiding citizenship, and knowledge of Chinese history and culture. To strengthen the sense of national pride among local youth and deepen their understanding of Chinese history and culture, we have implemented a series of initiatives. They include mandating that every undergraduate student complete at least one 3-credit subject in the area of Chinese history and culture. We also

established the Research Centre for Chinese History and Culture to strengthen students' understanding of what has made the country what it is today.

Additionally, the University organises the PolyU Chinese Culture Festival, featuring a series of events that embrace different art forms and themes to enhance the appreciation of Chinese culture and heritage among the younger generation.

Furthermore, we are the first university to set up a Student Flag Raising Team. Comprising over 80 undergraduate and postgraduate students, it conducts flag-raising ceremonies on campus during significant occasions.



DEVELOPING A GLOBAL OUTLOOK AND IMPACTING SOCIETY

PolyU fosters a global outlook through student exchange programmes, our Service-Learning initiative, and non-local Work-Integrated Education opportunities. They offer immersive learning experiences in various countries and regions. By engaging with diverse subjects, cultures, and experiences, PolyU students recognise and appreciate the impact they can make on their communities and society at large.

The University's goal is to provide all undergraduates to engage in at least one non-local learning experience by the 2027/28 academic year. This initiative will deepen our students' cultural awareness and international perspective, and develop a sense of social responsibility. Starting from the 2025/26 academic year, an additional HK\$30,000 overseas exchange funding will be offered to all undergraduate students who receive an academic Entry Scholarship, enabling them to participate in the student exchange programmes.

NURTURING SOCIALLY RESPONSIBLE GRADUATES VIA SERVICE-LEARNING

PolyU is the first local university to make academic Service-Learning a graduation requirement for all undergraduate students. Service-Learning is an experiential pedagogical approach that encourages students to apply their own professional knowledge and skills to support communities in need, thereby promoting societal progress. The essence of Service-Learning lies in applying professional knowledge to serve society, cultivating socially responsible young persons with a strong sense of national pride and a global perspective.

In the 2024/25 academic year, fully 50% of our undergraduate students received support to undertake Service-Learning studies outside Hong Kong.

Our Service-Learning initiative has enrolled more than 42,400 students since 2012, contributing over 1.69 million hours of service to communities in Hong Kong, Mainland China and Taiwan, and overseas in countries such as Cambodia, India, Indonesia, Japan, Kazakhstan, Kyrgyzstan, Myanmar, the Philippines, Rwanda, South Africa, Thailand and Vietnam.

- Our students have:
- performed much-needed eye exams for underprivileged youth.
  - installed solar panels to light up entire communities.
  - provided clean drinking water for rural areas by setting up water filtration systems.



WORK-INTEGRATED EDUCATION

To enrich the professional readiness of students to serve the world around them, PolyU became the first university in Hong Kong to offer a mandatory Work-Integrated Education programme for undergraduates. The programme broadens their practical experience and global perspective through internships in Hong Kong, the Mainland and overseas, including Australia, Canada, Japan, Malaysia, New Zealand, Singapore, South Korea, Thailand, the United Kingdom, and the United States.







# RESEARCH & KNOWLEDGE TRANSFER

PolyImpact

POLYU  
INVENTIONS  
AND  
INNOVATIONS  
THAT BENEFIT  
THE WORLD

Embedded within PolyU's DNA is a strong desire to better the world. In addition to pursuing pioneering research in frontier areas, we also embrace a strong culture of knowledge transfer. By proactively translating scientific discoveries into innovations and viable solutions, we expand human knowledge, tackle global challenges, and take the lead in making a positive impact on businesses, industries, and the world around us.

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HK\$ **6,403M**  
Total Research Funding (2023/24)

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**4,500+**  
Ongoing Research Projects

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**3,800+**  
Research Personnel

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**350+**  
Scholars Ranked Among the  
World's Top 2% Most-cited  
Scientists for Career-long and  
Single-year Citation Impact  
(according to an index by Stanford University in 2024)

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Having the **largest number  
of top 2% scientists** in Hong  
Kong and globally in the field of  
Building and Construction  
(according to an index by Stanford University in 2024)

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**16**  
Scholars Ranked in the World's Top 1%  
by Citations in their Respective Fields  
(according to an index by Clarivate in 2024)



# BRINGING INTERDISCIPLINARY SOLUTIONS TO COMPLEX SOCIETAL CHALLENGES



PolyU Academy for  
Interdisciplinary Research  
香港理工大學高等研究院

## THE LARGEST-OF-ITS-KIND RESEARCH PLATFORM IN HONG KONG AND THE GREATER BAY AREA

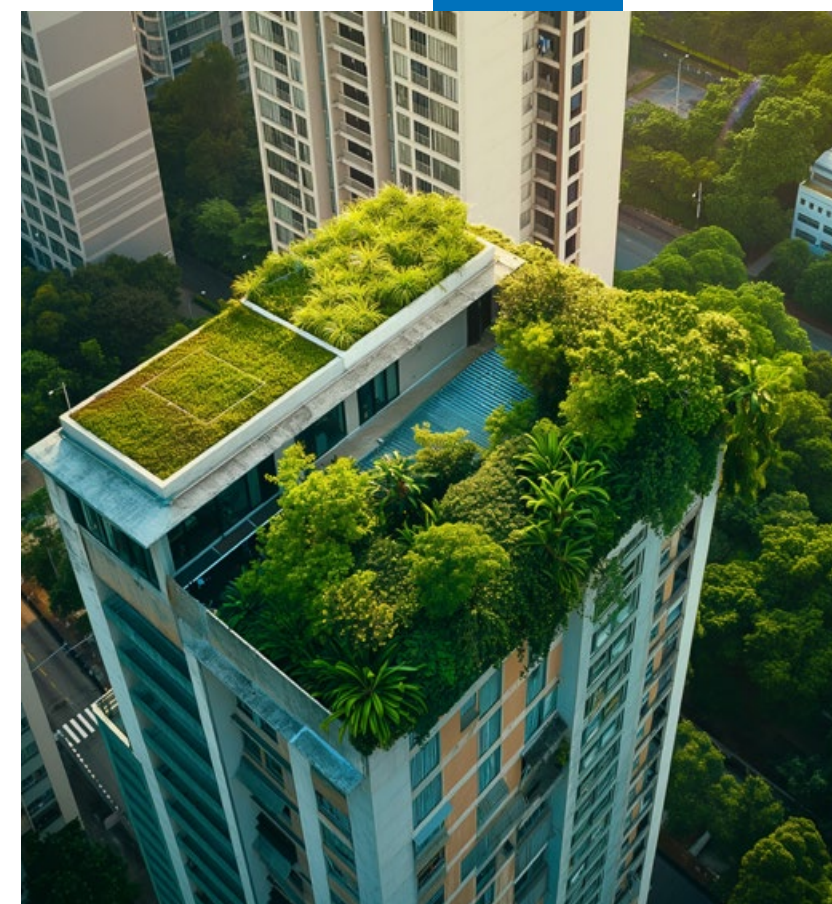
Amid challenges like climate change, ageing population, and energy shortages, the world requires game-changing research for a sustainable future. The PolyU Academy for Interdisciplinary Research (PAIR) is a unique research model, fostering a collaborative platform across different disciplines to provide practical solutions for pressing societal issues.

PolyU scholars have been scientific purveyors of groundbreaking research across various fields, with a focus on the following research areas:

Advanced technologies and manufacturing

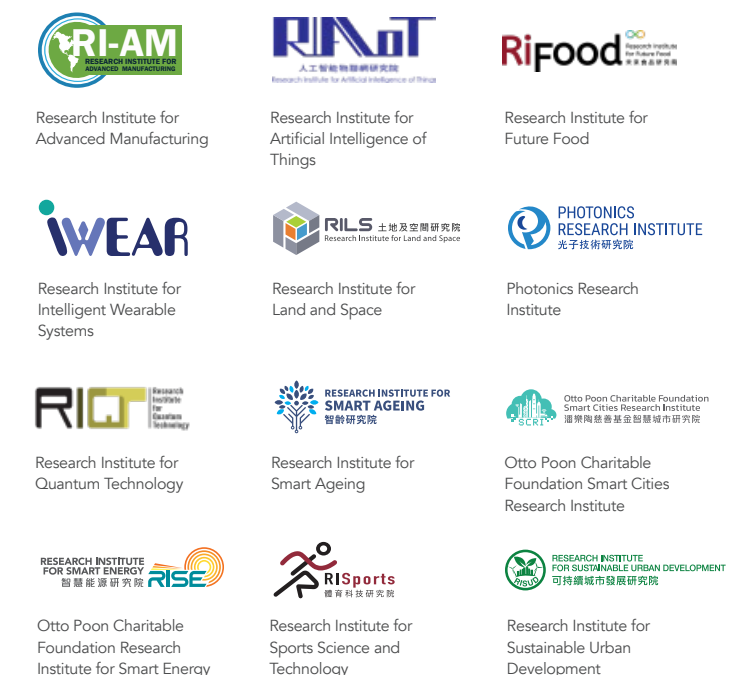
Good health and well-being

Smart and sustainable cities



## 19 RESEARCH INSTITUTES & RESEARCH CENTRES UNDER PAIR

### RESEARCH INSTITUTES



### RESEARCH CENTRES





# HIGH-LEVEL SCIENTIFIC EXCHANGE AND COLLABORATION WITH THE MAINLAND

Further reinforcing PolyU's expertise in research and knowledge transfer are a number of cutting-edge University research labs and centres supported by the Nation and industry partners, fostering frontier research and innovation in different disciplines.

## 2 State Key Laboratories

- **State Key Laboratory of Chemical Biology and Drug Discovery**  
(The Hong Kong Polytechnic University)
- **State Key Laboratory of Ultra-precision Machining Technology**  
(The Hong Kong Polytechnic University)

## 2 Hong Kong Branches of Chinese National Engineering Research Centres

- **Hong Kong Branch of National Engineering Research Centre for Steel Construction**
- **Hong Kong Branch of National Rail Transit Electrification and Automation Engineering Technology Research Centre**

## 4 Chinese Academy of Sciences (CAS) - PolyU Joint Laboratories

- **CAS AMSS-PolyU Joint Laboratory of Applied Mathematics**
- **CAS GIG-PolyU Guangdong-Hong Kong-Macao Joint Laboratory for Environmental Pollution and Control**
- **CAS IRSM-PolyU Joint Laboratory on Solid Waste Science**
- **CAS SIAT-PolyU Multi-modal Medical Molecular Imaging Joint Laboratory**



## 10+ Mainland Research Institutes

### Mainland Translational Research Institutes (MTRI)

- PolyU-Jinjiang Technology and Innovation Research Institute\*
- PolyU-Wuxi Technology and Innovation Research Institute\*
- PolyU-Hangzhou Technology and Innovation Research Institute\*
- PolyU-Wenzhou Technology and Innovation Research Institute\*
- PolyU-Daya Bay Technology and Innovation Research Institute\*
- PolyU-Nanjing Technology and Innovation Research Institute\*
- PolyU-Zhongshan Technology and Innovation Research Institute\*
- PolyU-Wuhan Technology and Innovation Research Institute\*
- PolyU-Shaoxing Technology and Innovation Research Institute\*
- PolyU-Hefei Technology and Innovation Research Institute\*
- PolyU-Xingguo Textiles Technology and Innovation Research Institute\*
- PolyU-Ningbo Technology and Innovation Research Institute^
- PolyU-Shenzhen Industrial Technology and Innovation Research Institute^
- PolyU-Zibo Technology and Innovation Research Institute^

### Other research institutes in Mainland China

- PolyU-Shenzhen Technology and Innovation Research Institute (Futian)
- PolyU Shenzhen Research Institute

\* Detailed agreements signed  
^ MoUs signed

# UNIVERSITY RESEARCH CENTRES

The University continues to expand its research facilities to foster new research in niche areas and further promote impactful research.

### University-level Research Centres and Institutes

- Colour, Imaging, and Metaverse Research Centre
- COMAC-PolyU Research Institute for Large Aircraft
- International Centre of Urban Energy Nexus
- Peking University-The Hong Kong Polytechnic University China Social Work Research Centre
- Policy Research Centre for Innovation and Technology
- Research Centre for Artificial Intelligence in Geomatics
- Research Centre for Assistive Technology
- Research Centre for Blockchain Technology
- Research Centre for Carbon-Strategic Catalysis
- Research Centre for Chinese History and Culture
- Research Centre for Cultural and Art Technology
- Research Centre for Data Science and Artificial Intelligence
- Research Centre for Electric Vehicles
- Research Centre for Future (Caring) Mobility
- Research Centre for Gerontology and Family Studies
- Research Centre for Innovative Technologies for Chronic Musculoskeletal Pain
- Research Centre for Low Altitude Economy
- Research Centre for Nanoscience and Nanotechnology
- Research Centre for Nature-based Urban Infrastructure Solutions

- Research Centre for Nature-Inspired Science and Engineering
- Research Centre for Non-invasive Brain Computer Interface
- Research Centre for Organic Electronics
- Research Centre for Privacy and Security Technologies in Future Smart Systems
- Research Centre for Quantitative Finance
- Research Centre for Unmanned Autonomous Systems
- Research Institute for Climate-Resilient Infrastructure

### Joint Research Centres (Mainland/GBA)

- Guangdong-Hong Kong Joint Laboratory for Marine Infrastructure
- Joint Research Centre for Biosensing and Precision Theranostics
- Joint Research Centre for Design and Net-shape Forming of Micro-/Meso-scaled Surface Functional Structures
- Joint Research Centre for Fiber Innovations and Renewable Materials
- Joint Research Centre for Marine Infrastructure
- Joint Research Centre for Microelectronics
- Joint Research Centre for Primary Health Care
- PolyU-BGI Joint Research Centre for Genomics and Synthetic Biology in Global Ocean Resources
- PolyU-SCUT Joint Research Centre for Advanced and Green Composite Materials

# ADVANCING GLOBAL COLLABORATIONS UNDER INNOHK

To help develop Hong Kong into a hub for global research collaboration, PolyU has partnered with world-leading institutions, harnessing its research competency in artificial intelligence, design, and vision science to create three research centres under two research clusters: AIR@InnoHK (focused on artificial intelligence and robotics technologies) and Health@InnoHK (focused on healthcare-related technologies).

These three world-class research centres at the Hong Kong Science Park are:



Laboratory for Artificial Intelligence in Design (AiDLab), established in collaboration with the Royal College of Art, UK.



Centre for Advances in Reliability and Safety (CAIRS), established with the University of Maryland, College Park, USA as the key research collaborator.



Centre for Eye and Vision Research (CEVR), established in partnership with the University of Waterloo, Canada.

PolyU has also become the first local collaborating institution of the "Centre for Artificial Intelligence and Robotics, Hong Kong Institute of Science & Innovation, Chinese Academy of Sciences". Established by the Institute of Automation of the Chinese Academy of Sciences, the Centre has been admitted into AIR@InnoHK under the InnoHK Clusters.



# ADDRESSING SOCIETAL NEEDS WITH IMPACTFUL RESEARCH

PolyU has been harnessing its world-class research and knowledge transfer capabilities to make a positive impact.

## Deep Space Exploration

We have been actively involved in space projects over the past few decades, and have actively supported the Nation's space missions, including missions to the Moon and to Mars, through the development of sophisticated technological instruments and identifying possible landing regions. Our projects include developing the "Camera Pointing System" for Chang'e-3 and Chang'e-4's lunar landings, creating the "Surface Sampling and Packing System" for Chang'e-5 and Chang'e-6's lunar sampling mission on near side and far side of the moon, and producing the "Mars Landing Surveillance Camera" for the Tianwen-1 mission. We gained approval from the Nation to acquire the lunar soil samples collected by Chang'e-5. Our research team will conduct an analysis to find water in the lunar regolith.



Deep Space Exploration

## Smart Cities

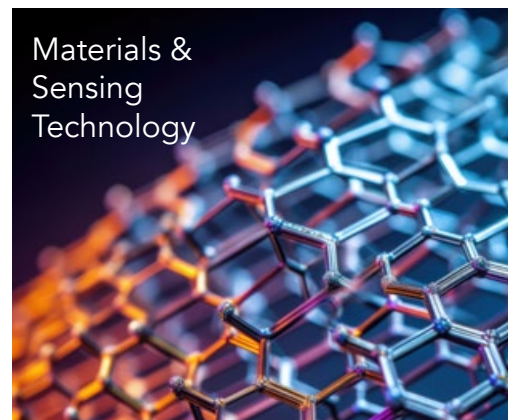
We aim to provide an interdisciplinary platform for PolyU's experts to develop leading research in Smart Cities by capitalising on our existing interdisciplinary research strengths. Our key research themes also cover the six smart areas identified by the *Hong Kong Smart City Blueprint*, in response to the specific needs of Hong Kong as well as the generic needs for global smart cities development.



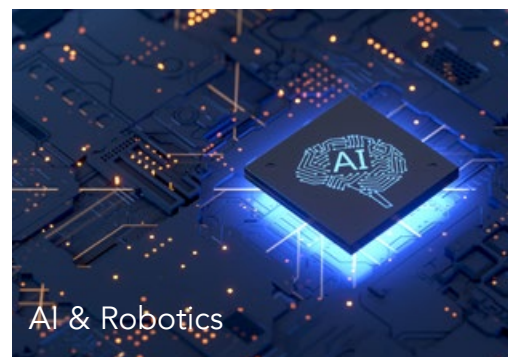
Smart Cities

## Materials & Sensing Technology

Our projects include new fabric-sensing technologies used in smart footwear and clothing to train athletes, prevent sports injuries and help people suffering from hypertension, Parkinson's disease, cardiovascular disease and diabetes. In addition, new processing technologies have been developed on the PolyU campus to produce novel electronic fabrics made from the world's finest electronic yarns.



Materials & Sensing Technology



AI & Robotics

## Life Sciences & Healthcare

We are harnessing the power of science and innovation to transform the future of healthcare. From investigating the molecular mechanisms of cancer drug resistance to creating an AI drug discovery platform, we take pride in leveraging our unique expertise to make a positive impact on our world.



Life Sciences & Healthcare

## AI & Robotics

Our facilities include the state-of-the-art Artificial Intelligence and Robotics Lab in our Industrial Centre, as well as the Research Institute for Artificial Intelligence of Things. Our research outcomes include PolyPi, an innovative autonomous robot developed for pipeline inspection.

## Advanced Manufacturing

Our vision is to create a world-class hub for global research and knowledge transfer in advanced manufacturing to drive the economic growth of Hong Kong, the Greater Bay Area and the Nation, with advanced processing and materials technologies, carbon-neutral manufacturing, digital manufacturing, and manufacturing systems and instrumentation as key research directions.



Advanced Manufacturing





# HOLISTIC ENTREPRENEURSHIP DEVELOPMENT

## PROMOTING ENTREPRENEURSHIP, DRIVING CHANGE

A pioneer in promoting innovation and entrepreneurship, PolyU is a breeding ground for aspiring entrepreneurs. Through the PolyVentures initiative, the University has developed a robust entrepreneurial ecosystem that helps our academic- and student-led startups translate PolyU's research outcomes into real-world impact.

---

### 500+

Total Active Startups

---

### 490+

International and Local Awards

---

### 7,600+

Entrepreneurs Trained

---

### 21

Ponies  
(US\$10 million+ valuation)

---

### 4

Unicorns  
(US\$1 billion+ valuation)

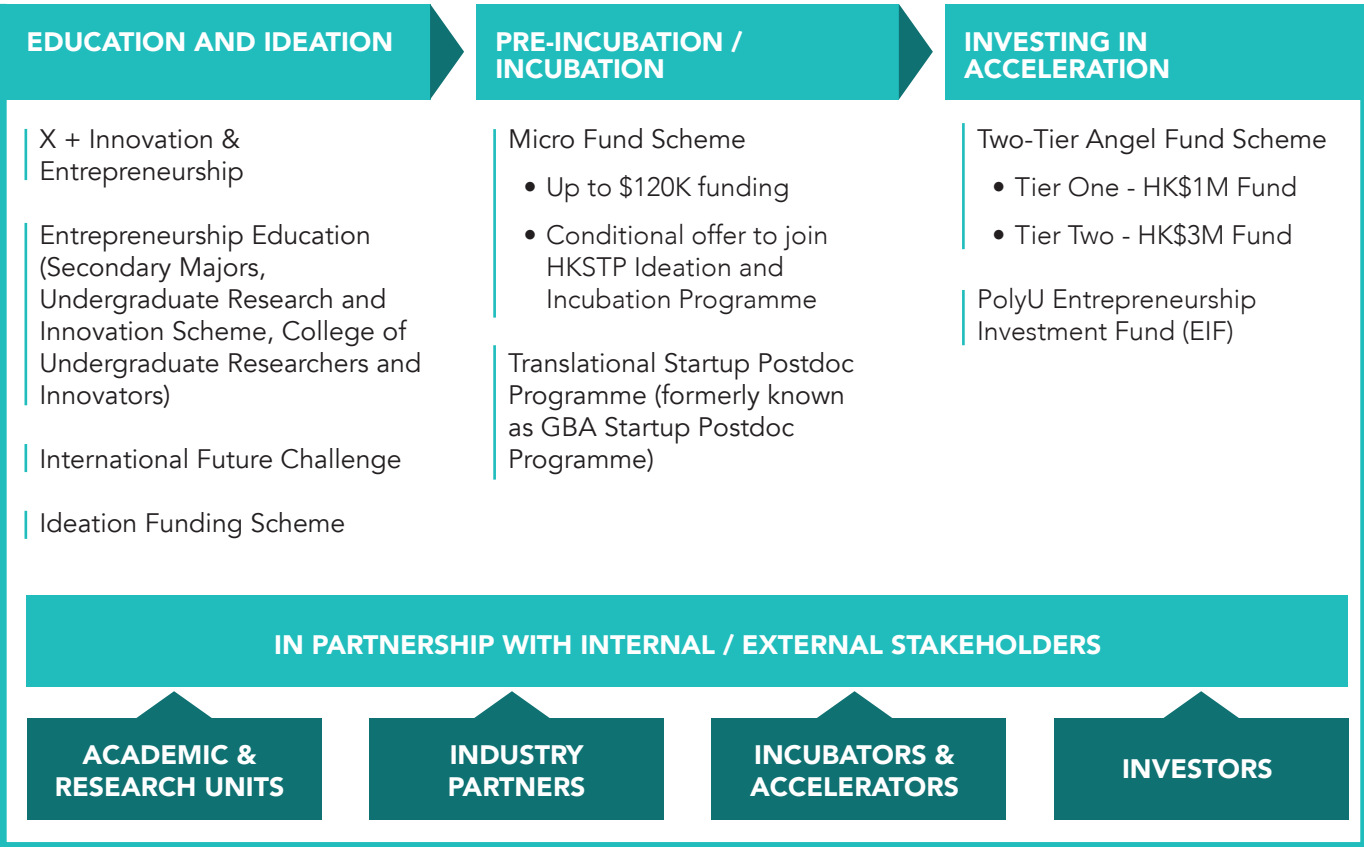


# PolyVentures

Our PolyVentures ecosystem empowers aspiring PolyU-affiliated entrepreneurs to transform innovative ideas into successful businesses. Our platform, rooted in entrepreneurship and innovation, offers resources like funding, networking, incubation programmes, training, and business matching services. We foster a mindset encouraging creativity, innovation, and risk-taking, enabling entrepreneurs to overcome business challenges and bring cutting-edge technologies and innovations to the market, positively impacting society.



## ENTREPRENEURSHIP DEVELOPMENT FRAMEWORK



## EDUCATION AND IDEATION

### X + Innovation & Entrepreneurship

The programme provides undergraduates from diverse disciplines with knowledge, skills, and a wide range of opportunities to gain entrepreneurial experience, ranging from credit-bearing courses, corporate internships to exchange trips to the Greater Bay Area or overseas.

### Entrepreneurship Education

Two secondary majors in “Innovation and Entrepreneurship” and “Artificial Intelligence and Data Analytics” continued to foster graduates with the skills and knowledge to prosper amid fast-moving times. Early interest in discovery and innovative problem-solving was further generated through the Undergraduate Research and Innovation Scheme (URIS) and College of Undergraduate Researchers and Innovators (CURI).

### Ideation Funding Scheme

This funding initiative is one of the key entrepreneurship education components at PolyU which aims to instil a problem-driven innovation mindset into young talents through experiential learning and student-initiated research and development.

## PRE-INCUBATION/ INCUBATION

### PolyVentures MICRO FUND

Up to HK\$1.51M funding support from PolyU and HKSTP

Launched in 2011, the Fund is the first funding initiative in the University to cultivate an entrepreneurial atmosphere in the PolyU community and to promote knowledge transfer and commercialisation of PolyU’s innovations and technologies. With support of up to HK\$1.51 million from PolyU and HKSTP Ideation and Incubation Programmes, the Scheme aims to bolster PolyU early-stage startups to step up their entrepreneurship journey with high-quality business propositions and impact across regions.

### Translational Startup Postdoc Programme

Transforming PhD to Technopreneur

The Programme (formerly known as GBA Startup Postdoc Programme) aims to foster research-based entrepreneurship and empower recent doctoral graduates to become “Technopreneurs”. By leveraging the extensive resources and industrial network of PolyU and its Mainland Translational Research Institutes, this Programme provides comprehensive entrepreneurial support and guidance, opening up business opportunities across Mainland China for doctoral graduates who possess a strong passion and vision for commercialising research technologies through startup ventures.

## INVESTING IN ACCELERATION

### Two-Tier ANGEL FUND Scheme

Leveraging the Technology Startup Support Scheme for Universities under the Innovation and Technology Commission (ITC), the Angel Fund consists of two tiers (HK\$1M & HK\$3M) and supports technology startups comprising PolyU students, graduates, or faculty members. The Scheme supports early-stage startups which require a higher starting capital for research and development.

Funding Amount	
Tier One - HK\$1M Fund	Tier Two - HK\$3M Fund
HK\$0.5 million grant by Innovation and Technology Commission + HK\$0.5 million top-up investment by PolyU EIF (optional)	HK\$1.5 million secured private investment + Up to HK\$1.5 million dollar-to-dollar matching grant by ITC

### PolyU ENTREPRENEURSHIP INVESTMENT FUND

The Entrepreneurship Investment Fund is an early-stage equity investment fund that leverages the resources and expertise of our co-investors and partners to further drive our research-into-impact mission. The Fund supports the scaling-up of startups led by PolyU faculty members, graduates or students, as well as those driving the commercialisation of PolyU’s research and innovations.



# POLYU ACADEMIC-LED STARTUPS

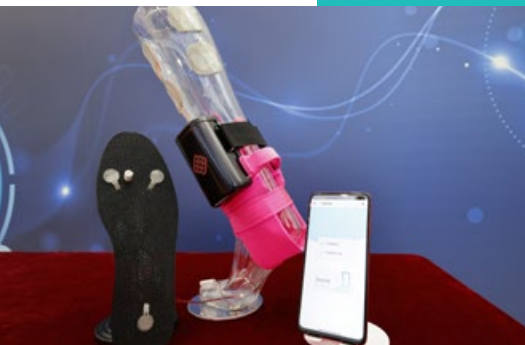
## The world’s first portable High-Definition Corneal Topographer

Professor Kee Chea-su (Associate Director of the Research Centre for SHARP Vision and Head of the School of Optometry) and his team have developed the world’s first portable High-Definition Corneal Topographer. The innovation leverages artificial intelligence-driven algorithms to accurately measure corneal power, provide early diagnosis of vision problems such as corneal astigmatism and corneal ectasia, and simplify the diagnosis process, enabling it to be completed in as little as one minute.



## Multimodal robot empowering post-stroke ankle-foot telerehabilitation

Developed by a research team led by Dr Hu Xiaoling (Associate Professor of the Department of Biomedical Engineering), the Mobile Ankle-foot Exoneuromusculoskeleton is the first-of-its-kind multimodal wearable robot for stroke patients’ ankle-foot rehabilitation that integrates the advantages of an exoskeleton, soft pneumatic muscles, tactile sensory feedback and neuromuscular electrical stimulation technology in one system. Powered by the Internet of Things technology, it enables telerehabilitation for remote management of patients’ rehabilitation progress.



## Cutting-edge colour-enhancing technologies widely adopted by industry

Professor Tommy Wei Minchen (Professor of the Department of Building Environment and Energy Engineering and Director of the Colour Imaging and Metaverse Research Centre) and his research team developed advanced colour management technologies, including a six-channel RGBACL lighting module and control algorithm, enhancing LED lighting systems’ colour presentation. This innovation allows quick adjustments in skin colour appearance across cameras and has been used by a renowned cinema lighting manufacturer in Hollywood productions.



## A cream substitute for preparing reduced-fat desserts

Dr Gail Chang Jinhui (Core Member of the Research Institute for Future Food (RiFood) and Research Assistant Professor of the Department of Applied Biology and Chemical Technology) and her team developed “Cream Mate”, a cream substitute produced from AkkMore™, a fungus-based fat replacer effective in preventing obesity and other metabolic diseases, enhancing gut health, modulating the immune response, and reducing anxiety. RiFood is collaborating with Hotel ICON on the use of Cream Mate in preparing reduced-fat desserts served on the hotel’s regular menus.

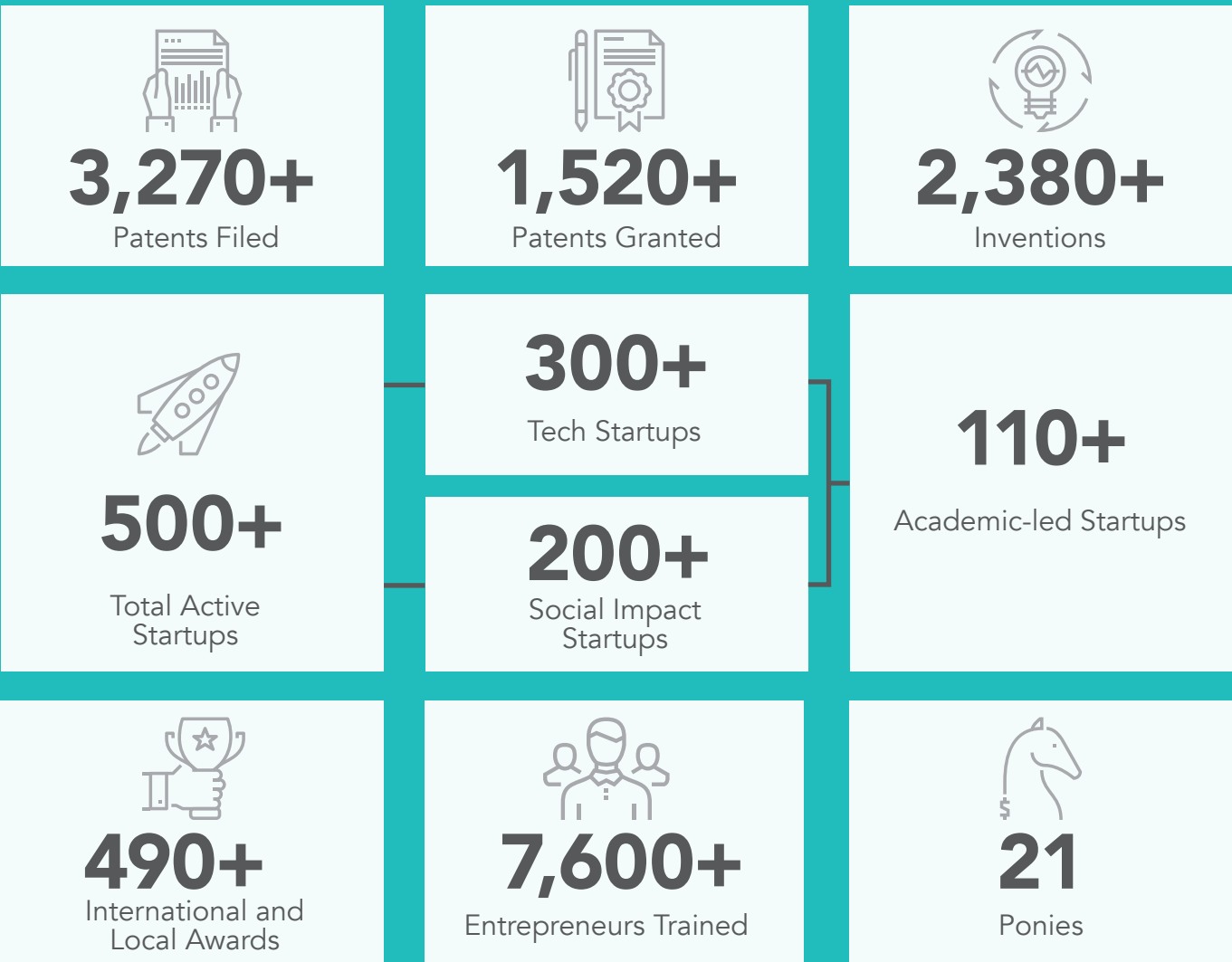


## Research collaboration with HKMA for central bank digital currency (CBDC) project

Professor Allen Au Man-ho and Professor Daniel Luo Xiapu (Professors of the Department of Computing) are collaborating with the Hong Kong Monetary Authority (HKMA) to examine various aspects of CBDCs, such as interoperability, security, and privacy. The goal is to integrate privacy designs that protect personal information. The project aims to foster the tokenisation market and attract talent to Hong Kong.



# DEVELOPING INVENTIONS FOR IMPACT



### 4 Unicorns

Hai Robotics, founded in 2016 by Mr Richie Chen and Mr Fang Bing, graduates of the Department of Electronic and Information Engineering of PolyU, is a startup that provides world-leading autonomous case-handling robotic systems.

EcoFlow, founded in 2017 by Dr Bruce Wang, a graduate of the Department of Mechanical Engineering, provides industry-leading portable power solutions, solar technology, and the world’s first smart home ecosystem.

Co-founded by PolyU graduate Mr James O in 2013, GoGoX is one of the first mobile app-based logistics platforms in Asia revitalising the traditional logistics industry with innovative technology.

Aftership, co-founded in 2012 by Mr Dante Tsang, a graduate of the Associate in Information Technology programme, is a startup that offers a suite of automation tools. It helps businesses with sales, marketing, order management, and shipment tracking.

### 3

Startups Included in Forbes Asia 100 to Watch 2023 List

### 2

Included in Forbes 30 Under 30 Asia List



# ALUMNI



## FORGING A BETTER WORLD WITH EXCEPTIONAL GRADUATES

For over eight decades, PolyU has nurtured more than 497,000 graduates worldwide. These graduates have flourished as distinguished leaders, high achievers, and role models in various fields including the public sector, healthcare, accounting, engineering, the arts, entrepreneurship, community leadership, and many more.

PolyU alumni are ambassadors of meaningful change. Imbued with a strong desire to apply their knowledge in serving society, they have helped address the needs of Hong Kong, the Nation and the world through their respective careers. These thriving professionals have also continued to support PolyU's next generation of leaders by participating in various alumni initiatives.

## FOSTERING CONNECTIONS WITH EXTENSIVE ALUMNI NETWORKS

PolyU maintains an extensive network of engaged and supportive alumni in Hong Kong and around the world. From 43 local alumni associations, to further alumni networks in Mainland China and overseas associations across Australia, Canada, Singapore, the United Kingdom, and the United States, our alumni networks keep PolyU graduates connected with the university community long after they have left the campus. These networks also enable established graduates to reach out to existing students, and vice-versa, enabling fruitful knowledge, career, and opportunity exchanges between the two.

## SUPPORTING POLYU'S CONTINUED GROWTH

Always seeking to grow and inspire growth, many of our alumni regularly participate in programmes that support their alma mater and the PolyU community. They lend their expertise, time, and networks towards mentoring students, leading alumni groups, participating in fundraising events, and more, contributing to PolyU's continued pursuit of academic and research excellence in whichever way they can.

# 497K+

Total Graduates around the World

# 43

Local Associations

# 8

Overseas Associations

# 10

Mainland Networks

# 109

Outstanding PolyU Alumni Awardees



# ENGAGING THE NATION AND INTERNATIONAL OUTREACH

## BUILDING STRONG CONNECTIONS WORLDWIDE

PolyU has built robust partnerships with tertiary and research institutions worldwide, and with a firm presence in Mainland China, we are also committed to supporting the development of the Guangdong-Hong Kong-Macao Greater Bay Area. We are actively strengthening our international networks, and advancing our education, research, and knowledge transfer impact around the globe.

---

### 14,000+

Non-local Students

---

### 350+

Global Partner Institutions from

### 40+

 Countries and Regions

Dual PhD Programmes with

### 20+

Overseas and Mainland Universities

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### 950+

Mainland Partner Universities /  
Research Institutes

---

### 3,100+

Mainland Collaboration Projects



# ADVANCING THE NATION'S DEVELOPMENT WITH EDUCATION & RESEARCH

PolyU has actively built ties with the Mainland to advance its research capabilities and develop talent who are capable of moving the Nation towards progressive economic growth.

## NATION-APPROVED RESEARCH FACILITIES

PolyU is home to two State Key Laboratories and two Hong Kong Branches of the Chinese National Engineering Research Centres: State Key Laboratory of Chemical Biology and Drug Discovery (PolyU), State Key Laboratory of Ultra-precision Machining Technology (PolyU), National Engineering Research Centre for Steel Construction (Hong Kong Branch), and the National Rail Transit Electrification and Automation Engineering Technology Research Centre (Hong Kong Branch). Approved by the Ministry of Science and Technology, these facilities are dedicated to advancing the technological and scientific development of the Nation and the GBA through research covering life sciences, infrastructure development, advanced optics and critical precision components, rail technical innovations, drug discovery, advanced manufacturing, applied engineering for steel construction, and more.

## DRIVING INNOVATION WITH SPACE AND INFRASTRUCTURE PROJECTS

PolyU has contributed to a number of key deep space exploration, mega-structure and high-speed railway research projects for the Nation over the years.

We are the only local university to have been involved in various national space missions, making contributions to the Nation's historic space missions including the Chang'e-3 mission in 2013, Chang'e-4 mission in 2019, Chang'e-5 mission in 2020, Tianwen-1 mission in 2021 and Chang'e-6 mission in 2024.

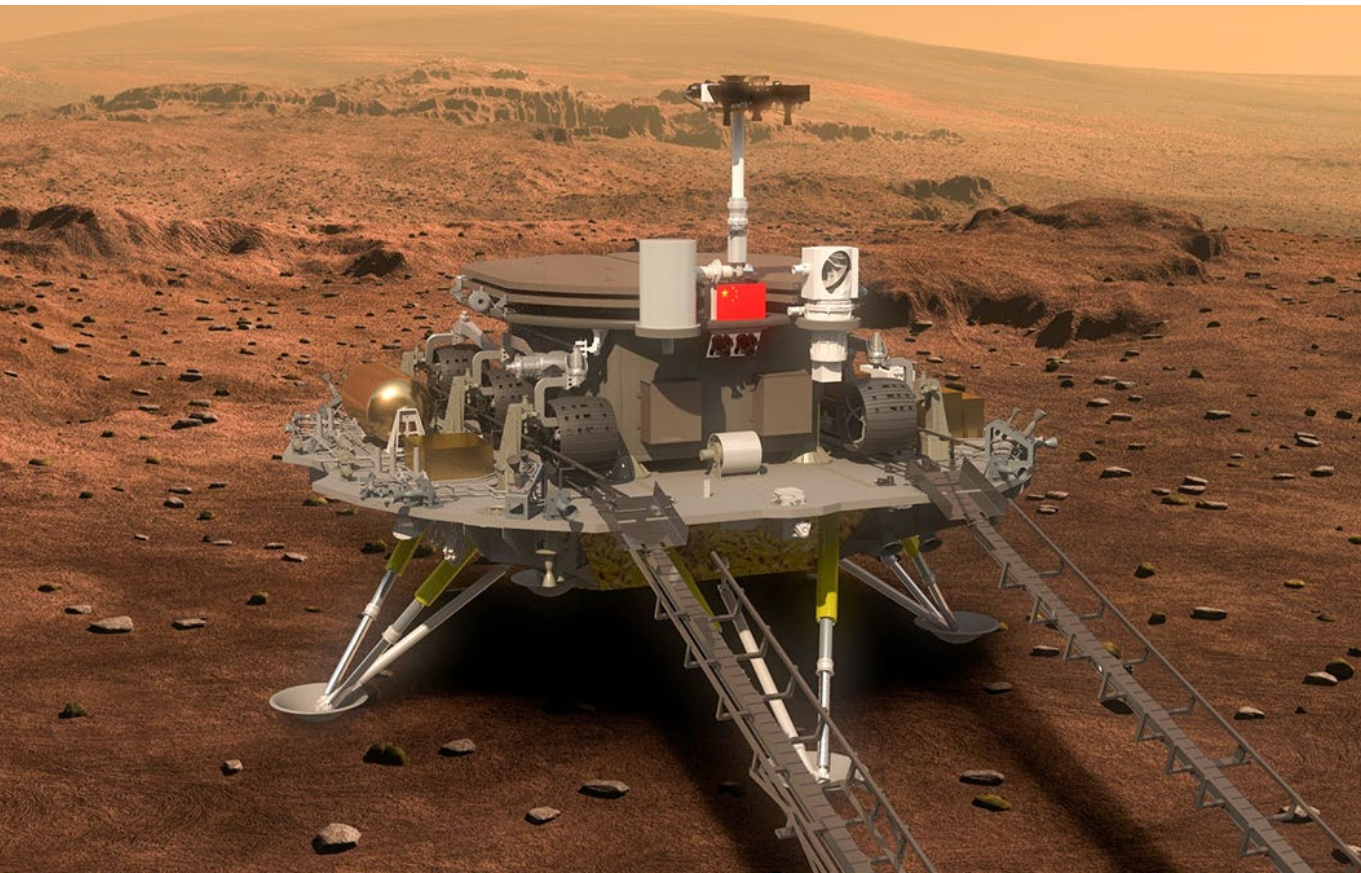
To enable predictive maintenance and improve the service reliability of our metro lines, we have also developed a smart railway condition monitoring technology whose proprietary optical fibre sensing technology has now been installed in several parts of the Nation's high-speed rail network as well as adopted in multiple countries. Moreover, our Structural Health Monitoring System provides health checks throughout a building's lifespan, and has been installed in major architecture such as the Sutong Bridge and Canton Tower in the Mainland.



## NURTURING FUTURE LEADERS WITH JOINT PROGRAMMES

PolyU has been offering joint programmes ranging from master's to doctoral levels in collaboration with Mainland universities. PolyU also has the highest number of joint educational programmes approved by the Ministry of Education among Hong Kong institutions.

POLYU JOINT EDUCATION PROGRAMMES APPROVED BY THE MINISTRY OF EDUCATION
<b>Doctor of Hotel and Tourism Management</b> (with Zhejiang University)
<b>Doctor of Management</b> (with Renmin University of China)
<b>Master of Arts in Fashion and Textiles (Fashion Merchandising)</b> (with Xi'an Polytechnic University)
<b>Master of Business Administration</b> (with Xi'an Jiaotong University)
<b>Master of Science in Hotel and Tourism Management</b> (with Zhejiang University)
<b>Master of Science in Information Systems</b> (with Xi'an Jiaotong University)
<b>Master of Science in International Real Estate</b> (with Zhejiang University)
<b>Master of Science in Quality Management</b> (with Zhejiang University)





ADDRESSING SOCIETAL NEEDS WITH TRANSLATIONAL RESEARCH

PolyU is setting up a series of Mainland Translational Research Institutes (MTRIs) in selected cities to align PolyU's research capabilities and outcomes with local industrial and societal needs, enhancing the impact of our research and each host city's development through targeted solutions. Funding for each institute's applied research and knowledge transfer activities is secured from host cities.

The University has already signed detailed agreements with over ten cities, including Jinjiang, Wuxi, Hangzhou, Wenzhou, Huizhou, Nanjing, Zhongshan, Wuhan, Shaoxing, Hefei, and Ganzhou, to establish Mainland Translational Research Institutes (MTRIs), with several of these institutes already in operation. We have also signed MoUs with the Eastern Institute of Technology in Ningbo, Shenzhen (Guangming), and Zibo, to establish MTRIs.

REGIONAL BASES IN THE MAINLAND

PolyU was the first institution in Hong Kong to be invited to visit leading institutions in the Mainland back in 1978. Over the years, the University has established regional bases in Beijing, Chengdu, Hangzhou, Shanghai, Shenzhen, and Xi'an.

Building on the strengths of these regional bases and partnerships, the University will capitalise on development opportunities in the Mainland, taking a greater part in the development of the Nation.



POLYU'S NETWORK IN THE MAINLAND

DETAILED AGREEMENTS SIGNED	
Jinjiang	PolyU-Jinjiang Technology and Innovation Research Institute
Wuxi	PolyU-Wuxi Technology and Innovation Research Institute
Hangzhou	PolyU-Hangzhou Technology and Innovation Research Institute
Wenzhou	PolyU-Wenzhou Technology and Innovation Research Institute
Huizhou	PolyU-Daya Bay Technology and Innovation Research Institute
Nanjing	PolyU-Nanjing Technology and Innovation Research Institute
Zhongshan	PolyU-Zhongshan Technology and Innovation Research Institute
Wuhan	PolyU-Wuhan Technology and Innovation Research Institute
Shaoxing	PolyU-Shaoxing Technology and Innovation Research Institute
Hefei	PolyU-Hefei Technology and Innovation Research Institute
Ganzhou	PolyU-Xingguo Textiles Technology and Innovation Research Institute

MoUS SIGNED	
Eastern Institute of Technology, Ningbo	PolyU-Ningbo Technology and Innovation Research Institute
Shenzhen (Guangming)	PolyU-Shenzhen Industrial Technology and Innovation Research Institute
Zibo	PolyU-Zibo Technology and Innovation Research Institute

OTHER RESEARCH INSTITUTES IN MAINLAND CHINA

- PolyU-Shenzhen Technology and Innovation Research Institute (Futian)
- PolyU Shenzhen Research Institute

as of Feb 2025

EMPOWERING THE BELT AND ROAD INITIATIVE

Leveraging our expertise and capacity-building network, we foster talent development, research and knowledge transfer among Belt and Road countries.

PolyU is a founding member of the University Alliance of the Silk Road to promote cultural exchange and collaboration with more than 150 leading universities from 37 countries and regions. We also developed the Belt and Road Cross-Professional Advancement Programme to provide an interdisciplinary knowledge platform for professionals and business leaders in Hong Kong and the Mainland, as well as the Belt and Road Advanced Professional Development Programme in Power and Energy, the first of its kind in Mainland China and Hong Kong, to address the growing demand for talent in the power and energy sector. Furthermore, our bilateral research exchange schemes include the Belt and Road Academic Fellowship Scheme, the K.C. Wong Belt and Road Visiting Fellowship Scheme, and the Research Student Attachment Programme.



# OUR WORLDWIDE REACH

As an international and world-class university with a multicultural learning, teaching and research environment, PolyU has built partnerships with more than 350 global partner institutions in over 40 countries and regions. We have over 580 academic collaboration agreements in place in the Mainland, Taiwan, Macao, and overseas, encompassing student exchange initiatives as well as research collaborations. The University will continue to broaden the scope of its collaboration with existing partners and establish new partnerships with highly ranked institutions worldwide, solidifying PolyU's position as a leading force in global academia.



## GLOBAL CONNECTIONS



**580+**  
 Academic  
 Collaboration  
 Agreements



**350+**  
 Institutions



**40+**  
 Countries and  
 Regions



## CHAMPIONING AN INTERNATIONAL LEARNING ENVIRONMENT

PolyU is committed to building an international and inclusive campus. Ranked 3rd in the “World’s Most International Universities 2025” by Times Higher Education, we have forged partnerships with leading institutions worldwide to facilitate international academic exchanges, as well as promote cultural diversity and an appreciation of global issues, among our students. By 2027/28, we also aim to provide every undergraduate student access to a non-local study opportunity.



## DEVELOPING OUTSTANDING PHD GRADUATES WITH GLOBAL PARTNERS

Through our Dual PhD Degree Programmes, students can benefit from the research excellence of over 20 overseas and Mainland partner universities and obtain their PhD degrees from both PolyU and any of these prestigious institutions: Queensland University of Technology, Korea University, Seoul National University, and University of Surrey (UK).



## UNIVERSITY SOCIAL RESPONSIBILITY NETWORK (USRN)

Established in 2015, the USRN is a global alliance promoting University Social Responsibility by exchanging ideas, resources, and practices to guide USR development in higher education. With 21 member institutions worldwide, including PolyU as a founding member and Executive Committee Chair, members are leading universities dedicated to making a positive societal impact.





























# CAMPUS SUSTAINABLE

## EXPANDING THE CAMPUS AND ACHIEVING CARBON NEUTRALITY

PolyU is dedicated to building a green learning environment. We have been undertaking campus development initiatives to advance our leadership in education and research as well as support a carbon-neutral Hong Kong. Leveraging our own innovations, these projects aim to facilitate the adoption of sustainable applications beyond the campus for the betterment of Hong Kong, the Nation, and the world.

QS WORLD UNIVERSITY RANKINGS: SUSTAINABILITY 2025

Hong Kong Global  
**3<sup>rd</sup>** **185<sup>th</sup>**

WASTE AND CARBON REDUCTION

**347,400+** nos.

Recycling Volume at Reverse Vending Machine (RVM)

(2023/24)

↑  
**41%**

year-on-year

**1.43** tonnes CO<sub>2</sub>e

Direct and Indirect Carbon Emissions per Capita

(Scope 1 and 2 emissions only)

↓  
**>30%**

compared to the peak level in 2014/15

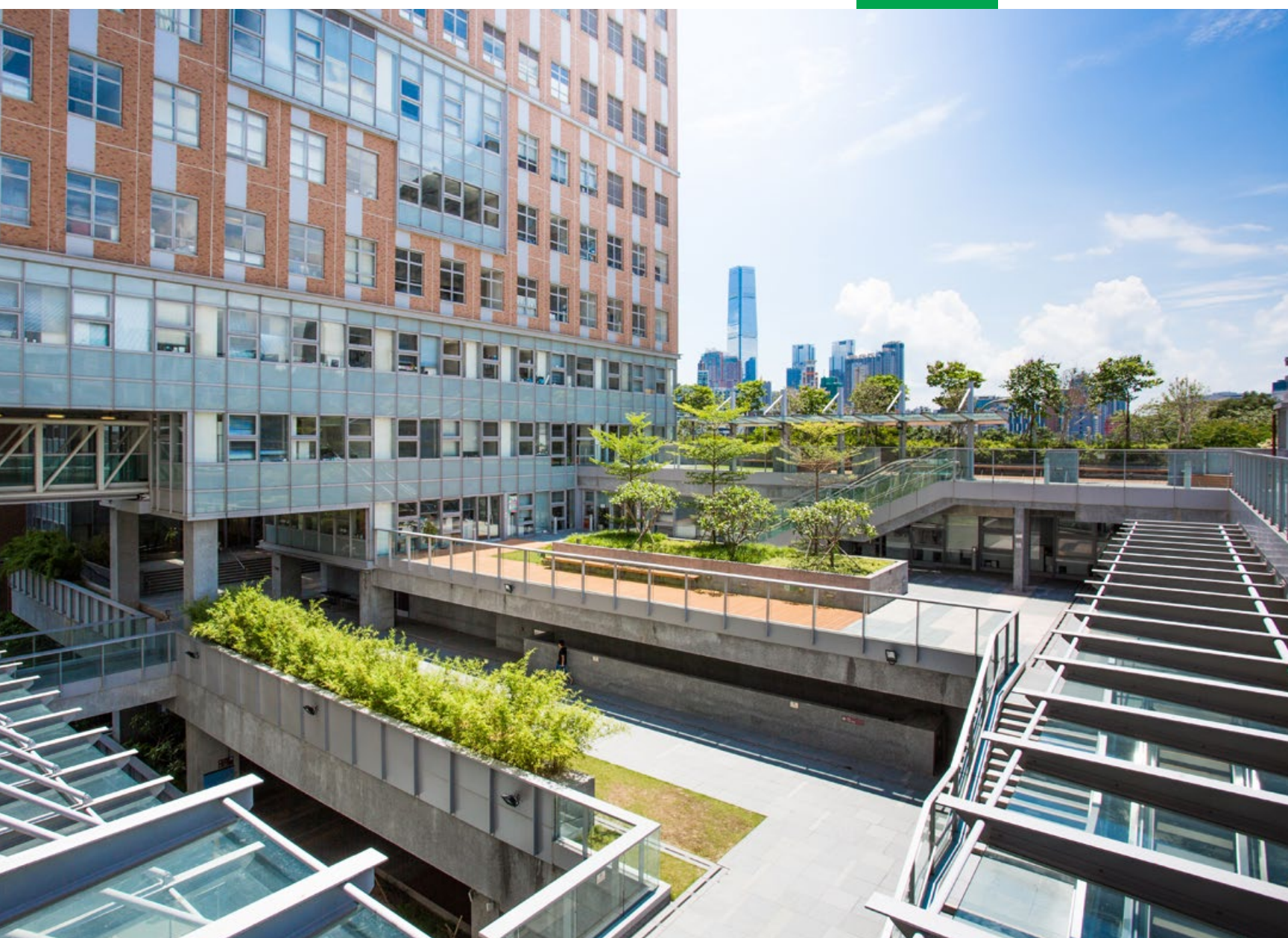
**250+** tonnes

Reduction of Municipal Solid Waste Disposal to Landfill from Main Campus



# AN INTERDISCIPLINARY APPROACH TO DECARBONISING HONG KONG

In support of the Hong Kong Government's carbon neutrality plan, PolyU has established the Campus Carbon Neutrality Committee to oversee the University's progress against its 2045 carbon neutrality roadmap. The Carbon Neutrality Funding Scheme has also been created to support the application of related research on campus and aid various PolyU experts as they work on groundbreaking decarbonisation research initiatives for the University and the wider community.



# IN-CAMPUS COLLABORATIONS FOR A GREENER FUTURE

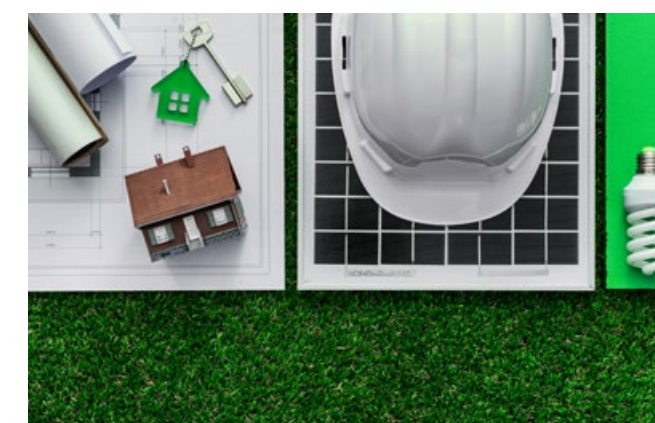
PolyU's laboratories are built to develop technologies for driving carbon neutrality, smart energy management, building sustainability, and community health. By incorporating these homegrown innovations into our present and future spaces, PolyU becomes a proof-of-concept platform, from which impactful, market-ready solutions can flourish to realise a more sustainable society.

## ADVANCING REAL-WORLD APPLICATIONS WITH SUSTAINABILITY- RELATED RESEARCH PROJECTS

Nurturing original thinkers with a heart for the environment, PolyU is shaping the future of sustainability research with revolutionary inventions initiated and applied within and around the campus:



A building-integrated photovoltaics system for promoting clean, eco-friendly and renewable energy



An energy-saving system that can conduct an overall building analysis for reducing energy consumption while sustaining normal air-conditioning and lighting



Eco-friendly construction materials made from recycled glass, or "eco-blocks", that can curb carbon emissions and turn waste into resources



Cutting-edge research on energy-efficient air conditioning has been applied at U GARDEN restaurant



# FORGING AHEAD AS AN INNOVATIVE WORLD-CLASS UNIVERSITY

At PolyU, our goal is to be an innovative world-class university that pursues excellence in education, research, and knowledge transfer for the benefit of Hong Kong, the Nation, and the world.

PolyU is committed to driving innovation, which holds a triple meaning for us. Firstly, we aspire to produce graduates who will become leaders and drivers of innovation. Secondly, we are dedicated to ensuring that our research leads to innovations with direct societal benefits. Thirdly, we strive to embed innovation in all our endeavours.

With this spirit of innovation deeply ingrained in our DNA, PolyU is poised to make significant strides in the years to come. The University will continue to evolve and refine its education and research initiatives, proactively addressing the ever-changing needs of society and industry. By staying at the forefront of technological advancements and fostering a culture of innovation and creativity, PolyU is well-equipped to advance a brighter and more sustainable future.





THE HONG KONG  
POLYTECHNIC UNIVERSITY  
香港理工大學

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