

專題故事



數據驅動建築：低空科技如何打造更智能的建造模式

近年來，政府積極推動發展具競爭力的低空經濟，陸續推出新政策及低空經濟監管沙盒計劃，善用這片新空域的潛力。低空經濟是指發生在海拔1,000米以下空域的經濟活動，範疇覆蓋由無人機運送商品至未來使用電動垂直起降飛機（eVTOL）運載乘客的可能性。作為全球科技發展其中一個最具活力及前景的領域，低空經濟為建築行業帶來深遠影響，大幅提升效率、安全性及數據驅動的精準度。

無人機技術在建築行業的應用範圍廣泛，覆蓋整個項目生命周期內的多項核心操作。

[了解更多](#)

i-Club 活動回顧



建築機械人比賽暨展覽

「建築機械人比賽暨展覽」於2025年8月2日圓滿結束，此活動包括論壇、比賽和為期三天的展覽，有來自本地和國際領域的講者和參展商參與，甚至包括來自內地的代表，共同探討新世代建築機械人技術、成功案例以及這些技術對行業的潛力。此活動還將戲曲中心中庭轉變為充滿活力的創新展示中心，雲集超過15家公司展示機械人解決方案，並展出在7月初獲勝的部分機械人。參觀者亦透過互動遊戲，體驗尖端科技了解如何重塑傳統建造方法。

[照片簿](#)[點擊此處下載建築機械人比賽暨展覽小冊子](#)

建築機械人實戰比賽

建築機械人實戰比賽已於7月9日圓滿落幕！賽事匯聚24家企業的機械人同場競技，突顯建築科技的最新進展。

六大競賽類別包括、鑽孔機械人、油漆機械人、物料搬運機械人、焊接機械人、建築機械狗同建築無人機。

各參賽機械人在真實環境施工任務中，全面展示效率、安全性、實用性及技術成熟度，由建造業專家組成嘅評審團現場評判，共同見證建築業智能化的快速發展！

[照片簿](#)

建築機械人挑戰賽

於2025年7月10日，建築機械人挑戰賽決賽匯聚了12支卓越的隊伍，每支隊伍展示了他們在七項挑戰任務中的出色機械人。這些任務突顯了精確性、創新、團隊合作和尖端機械人技術！

衷心感謝所有學生和評審的辛勤工作和奉獻，讓這次活動取得了圓滿成功，展現建築機械人技術的未來充滿無限可能！

[照片簿](#)

活動預告



建築機械人比賽網上分享研討會

建築機械人比賽暨展覽已圓滿結束，此活動匯聚了20多家業內領先的機械人企業。為進一步擴大這些突破的影響，特此舉辦一系列的網絡研討會，邀請得獎者分享成果與經驗。

10月16日將會是最終場次，研討會將會探討建築創新如何從比賽與現實行業應用緊密結合，讓你從業界創新者身上獲得寶貴嘅見解。

[立即登記並了解更多](#)

CITAC全新系列展覽

目前展覽展示了43件展品，包括最新的建築技術，如外骨骼、數碼化平台等。新的展品亦將於今年11月揭幕！立即預約參觀專賞團，率先了解和體驗這些最新展品。

[立即預約專賞團](#)

Feature Story



The Data-Driven Build: How Low-Altitude Tech is Engineering Smarter Construction

In recent years, the government has been forging ahead with building a competitive low-altitude economy, actively rolling out new policies and sandbox projects to harness the potential of this new airspace. Defined as economic activities taking place in airspace below 1,000 metres, the low-altitude economy encompasses everything from drone-delivered goods to the future promise of passenger flights using electric vertical take-off and landing (eVTOL) aircraft. Emerging as one of the most dynamic and promising sectors of global technological development, this new economy offers profound benefits for the construction industry, introducing unprecedented levels of efficiency, safety, and data-driven precision.

The application of drone technology in construction is vast, covering a large range of critical operations that span the entire project lifecycle.

[Read more](#)

i-Club Report



Construction Robot Competition and Exhibition

The Construction Robot Competition and Exhibition successfully concluded on 2 August 2025. This event featured a forum, competition, and a 3-day exhibition with speakers and exhibitors from local and international sectors, including the mainland. They shared insights on next-gen robotics, successful case studies, and the vast potential these technologies offered to the industry. The event also transformed the Xiqu Centre into a dynamic showcase of innovation, featuring over 15 leading companies that presented robotic solutions and some of the robots that won in the competition held in early July. Visitors explored interactive games and the latest construction robots that revealed how cutting-edge technology is reshaping traditional construction methods.

[Photo Gallery](#)[Click here to download the Booklet for Construction Robot Competition and Exhibition](#)

Construction Robot Practical Competition

The Construction Robot Practical Competition successfully held on 9 July. This event featured 24 innovative robots showcasing advancements in construction technology.

Robots competed in categories like Drilling, Painting, Materials Transport, Welding, Construction Robotic Dogs, and Construction Drones, completing real-world tasks. Our panel of government and industry experts judged their performance.

A big thank you to all participants for shaping the future of smart construction!

[Photo Gallery](#)

Construction Robot Challenge

On 10 July, 2025, the Construction Robot Challenge finals brought together 12 exceptional teams, each showcasing their remarkable robots across seven challenging tasks. These tasks highlighted precision, innovation, teamwork, and cutting-edge robotics technology!

A heartfelt thank you to all the students and judges for their hard work and dedication in making this event a resounding success, showing the future of construction robotics has never looked brighter!

[Photo Gallery](#)

Upcoming Events



Webinar Series on Construction Robot Competition - Sharing Session

The Construction Robot Competition & Exhibition successfully concluded, showcasing over 20 leading robotic companies and innovative demonstrations. To extend the impact of these breakthroughs, we are hosting an exclusive webinar series featuring award winners. Mark your calendars for our final session on 16 October! This is your opportunity to gain valuable insights from industry innovators, discover how these innovations are bridging the gap between competition breakthroughs and real-world industry applications.

[Register now and Learn more](#)

CITAC New Series of Exhibition

The exhibition currently features 43 exhibits, showcasing the latest construction technologies such as exoskeletons and digitalisation platforms. We are excited to announce that new exhibits will be unveiled this coming November. Save the date, mark your calendars, and reserve your tour for a chance to witness and experience these remarkable advancements!

[Book your visit now](#)