

專題故事



香港的建築革命：機械人如何打造未來

在香港耀眼的天際線背後，正在進行一場靜默的變革。這座城市的建造業，長期受到土地短缺和勞動力老化的影響，正藉由機械人和人工智能重新塑造自己。這一場技術轉型不僅僅是提升效率，更是香港可持續城市未來的重要基石。

[了解更多](#)

i-Club 活動回顧



人工智能在智慧建築項目中的實際應用網上研討會

於4月22日舉辦的網上研討會揭示了如何運用人工智能從自動化檢測到智能項目洞察，解決實際挑戰。Billie Construction 介紹了大型語言模型（LLMs）如何重塑工地溝通與檢測流程，而 Respect 則展示了人工智能驅動的外牆及室內品質自動檢測技術。此外，Varadise 還分享了他們的「數碼分身+自然語言處理（NLP）」突破性方案，實現即時安全與效能分析。

[觀看重播](#)

建築工地機械人與自動化機械技術網上研討會

於5月27日舉辦的網上研討會中，介紹了建築領域機械人技術和自動化的進步。當中展示了佛山奧卡機器人有限公司的自動地坪研磨機械人、FJ Dynamics人工智能驅動的重型機械以及R2C2的集中式機械人控制平台。這些技術旨在消除勞力密集型工作、優化工作流程、提升效率，重新定義建築生產力。

[觀看重播](#)

建造業議會未來建設中心（CFC）隆重開幕

建造業議會未來建設中心（CFC）於五月隆重開幕。CFC根據行業內的創新發展度身打造展覽，展示這些技術在香港的實際應用，旨在成為培育行業未來人才的樞紐。CFC的設計專注於與最新行業趨勢一致的創新，設有五個不同的區域：「數碼分身專區」、「安全智慧工地系統（4S）專區」、「沉浸式模擬實境專區」、「人工智能（A.I.）專區」和「機械人專區」。

[了解更多](#)

活動預告



建築機械人比賽暨展覽

立即參加探索最新的建築技術發展！建造業議會（CIC）將於2025年7月31日至8月2日舉辦建築機械人比賽暨展覽。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。還有機會目睹超過15款先進機械人，包括焊接、鑽孔和機械人等，這些技術都正在革新整個建造業。歡迎填寫意向表（EOI）以便提前安排，讓我們帶您一同探索這個盛事的重要亮點。

[不要錯過](#)

Feature Story



Hong Kong's Silent Construction Revolution: How Robots Are Building the Future

Beneath the glittering facade of Hong Kong's iconic skyline, a quiet transformation is underway. The city's construction industry, long constrained by scarce land and an aging workforce, is reinventing itself through robotics and artificial intelligence. This technological shift isn't just about efficiency—it's becoming essential for Hong Kong's sustainable urban future.

[Read more](#)

i-Club Report



Webinar on Practical AI Applications for Smarter Construction Projects

The webinar explored how artificial intelligence addresses real challenges, from automated inspections to intelligent project insights on April 22. Billie Construction reveals how LLMs are transforming site communication and inspection workflows, while Respect showcased AI that automates facade and indoor quality checks. Additionally, Varadise presented their Digital Twin and NLP solution for real-time safety and productivity analytics.

[Watch Replay](#)

Webinar on Robotics and Autonomous Machinery on Job Sites

The webinar organised on May 27 highlighted the advancements in robotics and automation in construction. Industry pioneers including Foshan Orcas' automated floor grinding robots, FJ Dynamics' AI-powered heavy machinery, and R2C2's centralized robotic control platform. These demonstrations illustrated effective strategies to eliminate labor-intensive tasks, accelerate project timelines, and redefine productivity in construction.

[Watch Replay](#)

The Centre for Future Construction (CFC) Grand Opening

The Centre for Future Construction (CFC) has just welcomed its grand opening in May. The CFC tailored its exhibits according to the innovative development within the industry, and showcasing the practical applications of these technologies in Hong Kong, aiming to become a hub for nurturing future talent for the industry. The CFC is designed to focus on innovations aligned with the latest industry trends, featuring five distinct zones: Digital Twin Hub, 4S Hub, Immersive Cave, AI Hub and Robotic Hub.

[Read more](#)

Upcoming Events



Construction Robot Competition and Exhibition

Be part of an exciting opportunity to explore the latest in construction technology! The Construction Industry Council (CIC) is organising the Construction Robot Competition and Exhibition on 31 July to 2 August 2025. This event features a forum, competition and a 3-days exhibition with speakers and exhibitors from local and international sectors, including the mainland. They will be sharing insights on next-gen robotics, successful case studies, and the vast potential these technologies offer to the industry. Explore a showcase of over 15 innovative robots, such as Welding, Drilling, and Humanoid Robots, that are transforming the industry. Fill out the Expression of Interest (EOI) form for early arrangements, and we will walk you through the key highlights.

[Don't miss out!](#)