



**Building Technology
Research Institute**
香港建築科技研究院

Wholly Owned by the Financial Secretary Incorporated

香港建科院通訊

BTRi Newsletter

9.2025



香港建築科技研究院

Building Technology Research Institute

香港建築科技研究院(香港建科院)於2024年8月成立，是由財政司司長法團全資擁有的有限公司。我們致力於在引領建築創新、實現高性能產業及可持續的建築環境，鞏固香港在基礎設施和城市發展方面的全球和地區性領先地位。

Building Technology Research Institute (BTRi) was established in August 2024 as a limited company wholly owned by the Financial Secretary Incorporated. We are committed to spearheading construction innovation and our vision is to underpin the global and regional leading position of Hong Kong in infrastructure and urban development, through enabling a high-performing industry and sustainable built environment.



推動應用研發 Driving Applied R&D

我們致力透過工務工程項目，為創新項目包括建築材料及技術先行先試。我們會透過收集有關創新在試點項目的表現數據，制定相關標準和要求，從而進一步推動業界廣泛應用，惠及整個建造業。

We aim to bring cutting-edge construction innovation solutions, including building materials and technologies, to life through pilot applications in public works projects. By collecting performance data on innovation solutions in pilot projects, we will formulate relevant standards and requirements to further promoting their widespread application in the industry, benefiting the entire construction sector.



優化標準 Advancing Standards

我們致力為新材料及技術制定新的建築標準，定期檢視現有的本地標準，並透過與大灣區政府單位之間的協作打造「灣區標準」品牌，全面優化建造業的標準。

We are dedicated to developing new construction standards for emerging materials and technologies, regularly reviewing and uplifting existing local standards, and formulating Greater Bay Area (GBA) standards in collaboration with Mainland counterparts, comprehensively enhancing the standards for the construction industry.



提供認可、認證及測試 Providing Accreditation, Certification and Testing Services

我們致力建立具公信力的認可及認證計劃，確保建築物料、產品和生產商符合標準，促進更多高質量和低成本效益的方案應用於本地建築項目。

We are committed to establishing recognised accreditation and certification schemes to ensure construction materials, products and manufacturers complying with the required standards, promoting the adoption of high-quality and cost-effective solutions in local construction projects.



發展局常任秘書長（工務）的話 Message from the Permanent Secretary for Development (Works)

劉俊傑工程師、太平紳士
Ir LAU Chun-kit, Ricky, JP

香港建科院作為致力推動建築創新、促進政府部門、學術機構及建造業界協作的專業機構，在過去一年，香港建科院以積極進取的態度，憑藉其專業及科研領域的優勢，透過涵蓋應用研發、認可、認證與測試及標準制定三大範疇的工作，進行多個對建築成本及生產力具深遠影響力的創新項目，協助工務部門優化設計方案，加快創新材料和技術在本地不同項目中的應用，以協助建造業把握當前的機遇和應對挑戰。

政府將繼續全力支持香港建科院，助力鞏固香港在基建發展中的國際領先地位和打造智能建築產業，實在具有戰略意義。我深信香港建科院能夠繼續凝聚整個建造行業，及作為有效連接創新科技及市場應用之間的重要橋樑。

BTRi as a dedicated professional institute, is committed to promoting construction innovation and fostering the collaboration among government departments, academic institutions and construction industry. Over the past year, BTRi, with a proactive and progressive approach, leverages its advantages in the field of expertise and scientific research to undertake numerous innovative projects across three key areas: Applied Research and Development, Accreditation, Certification and Testing, as well as Standards Advancement which have significant impacts on construction costs and productivity. It assists the Works Departments in optimizing design solutions, and accelerates the application of innovative materials and technologies in various local projects, with a view to helping the construction industry seize current opportunities and address challenges.

The government will continue to support BTRi, reinforcing Hong Kong's leading position in infrastructure development and promoting smart construction which are of strategic significance. I firmly believe that BTRi can continue to unite the entire construction industry, and serve as a vital link bridging the gap between innovative technology and industry application effectively.



主席的話 Message from Chairperson

韓志強工程師、金紫荊星章、太平紳士
Ir HON Chi-keung, GBS, JP

我們很高興與大家分享香港建科院的首份通訊。這份通訊將作為一個讓我們分享最新工作進展及推動創新成果的重要平台，亦是我們的一個重要里程碑。我們期望透過這個平台，與大學、政府及業界建立更緊密的聯繫，攜手邁向高性能產業及可持續的建築環境。

建造業正面對著種種挑戰，而我們深信推動創新能提供高質素及具成本效益的方案，為項目克服難關。過去12個月，我們積極與多個政府部門合作，優化建築項目的設計，致力降低建築成本。此外，我們亦成功推出「組裝合成」製造商認可計劃 (MiC-MAS)，以確保組裝合成建築技術的質量，並促進其在業界的廣泛應用。

展望未來，我們的願景是成為全球認可的品牌，致力推動建造業的新技術、新材料及創新發展，並同時成為相關標準的制訂者及具聲望的認可及認證機構，以鞏固香港在基建發展領域的國際地位。

您的持續支持對香港建科院及建造業的未來發展至關重要。我謹代表香港建科院誠邀大家與我們攜手，共同引領建築創新進入新時代。

I am excited to share with you the first issue of the BTRi newsletter. This newsletter serves as a platform to share updates on our latest initiative and the achievements we are championing within the construction industry and marks a significant milestone of BTRi's works. Through this newsletter, we aim to foster stronger connections with university, government, and industry, and work collaboratively towards a high-performing construction industry and sustainable built environment.

We acknowledge the various challenges that the construction industry is facing, and believe that innovation offers high-quality, cost-effective solutions to overcome hurdles in our construction projects. In the past 12 months, we have been actively collaborating with multiple Government departments to optimise the design of public works projects, aiming to minimise the construction costs. Furthermore, we have successfully launched the Modular Integrated Construction Manufacturer Accreditation Scheme (MiC-MAS) to ensure the quality assurance of MiC technology and support its broader adoption across the industry.

Looking ahead, we aspire to become a globally recognised brand for fostering new technologies, materials and innovations for the construction industry; a dedicated holder of the associated standards; and a distinguished accreditation and certification body, all with a view to reinforcing Hong Kong's international position in infrastructure development.

Your continuous support is the key to the success of both BTRi and the wider construction industry. On behalf of BTRi, I invite you to join hands with us to collectively lead construction innovation into the new era.

BTRi發展里程碑 BTRi Development Milestone



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15.8.2024

**香港建科院正式成立
BTRi was officially established**

15.11.2024

簽署合作備忘錄

Signing of Memoranda of Understanding

香港建科院與廣東省建築科學研究院、新加坡建設局，以及三間本地大學—香港大學、香港科技大學及香港理工大學簽署合作備忘錄，共同協作交流及推動創新應用。BTRi signed Memoranda of Understanding with the Guangdong Provincial Academy of Building Research, the Building and Construction Authority of Singapore, and three local universities, namely the University of Hong Kong, the Hong Kong University of Science and Technology, the Hong Kong Polytechnic University, to collaborate and promote innovative applications.



26.9.2024

粵港澳智能建造產業發展聯盟正式成立 The Guangdong-Hong Kong-Macao Intelligent Construction Industry Development Alliance was officially established

香港建科院與廣東省建築科學研究院擔任聯盟理事長單位，牽頭51家粵港澳三地的企業、高等院校和行業協會，致力推動智能建造和建築工業化的可持續發展。BTRi and Guangdong Provincial Academy of Building Research serves as the Director Units of the Alliance, leading 51 enterprises, institutions and industry organisations from the Greater Bay Area to promote the sustainable development in Smart Construction and industrialisation of construction industry.



15.11.2024

推出「組裝合成」製造商認可計劃 Launching of the Modular Integrated Construction Manufacturer Accreditation Scheme (MiC-MAS)

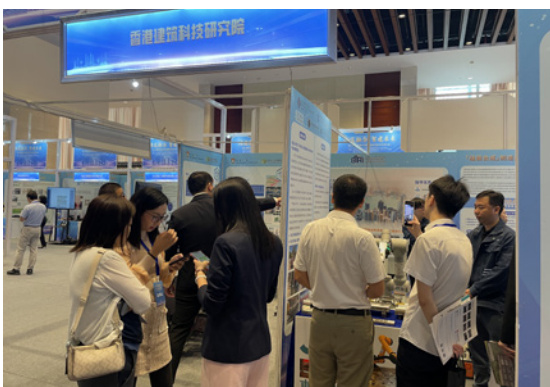
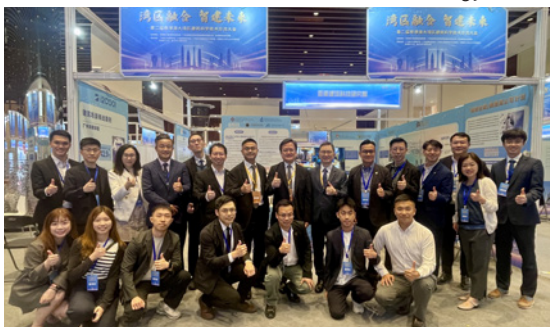


27.3.2025

帶領本地大學及建築科研機構到廣州交流 Leading Hong Kong universities and construction technology research institutions for exchange in Guangzhou

香港建科院帶領六間香港本地大學及建築科研機構，包括香港大學土木工程系模組組合建造實驗室、香港理工大學國家鋼結構工程技術中心(香港分中心)、i2Cool、納米及先進材料研發院、協興建築有限公司，及香港品質保證局，到廣州交流及參與「第二屆粵港澳大灣區建築科學技術交流大會」。

BTRi led six Hong Kong universities and construction technology research institutions including The University of Hong Kong Modular Integrated Construction Laboratory (MiCLab), The Hong Kong Polytechnic University Chinese National Engineering Research Centre for Steel Construction (Hong Kong Branch) (CNERC), i2Cool, NAMI, Hip Hing Construction Co., Ltd., and HKQAA to Guangzhou for exchange and participated in the "The 2nd Guangdong-Hong Kong-Macao Greater Bay Area Construction Science and Technology Forum".



26.2.2025

參與上海《境外城市基礎設施 綠色發展與合作研討會》 Participating in the "International Urban Infrastructure Green Development and Cooperation Symposium" in Shanghai

香港建科院在研討會上發表專題演講，並與多間上海建築科研機構進行深度交流。

BTRi delivered a keynote speech during the event, and held in-depth discussions with various Shanghai-based construction research institutions.



2.6.2025

首屆香港建科院大會 First BTRi Conference

香港建科院舉辦首屆大會，主題為「邁向新高峰：引領建築創新時代」，匯聚約250名來自政府、大學及業界的與會者，共同促進建築創新合作。

BTRi successfully hosted the first BTRi Conference 2025, with the theme "Elevating to New Heights: Leading Construction Innovation in the New Era", brought together approximately 250 participants from government, universities and industry to foster collaboration on construction innovation.



6-9.5.2025

帶領本地大學及建築科研機構到到英國交流 Leading Hong Kong university and construction technology research institutions for exchange in the UK

香港建科院帶領七間「組裝合成」製造商、大學及建築科研機構代表赴英國建築周舉行展覽，並與倫敦帝國學院、牛津大學，以及與Alma Kaizen Limited、BOPAS、Mace、Mott MacDonald、PCE及Unipart等六間行業領先的顧問公司和承包商交流。

BTRi led a delegation of seven MiC manufacturers, university and construction technology research institutions to exhibit at the UK Construction Week, and organised executive visits to Imperial College London, the University of Oxford, as well as six renowned consultants and contractors – including Alma Kaizen Limited, BOPAS, Mace, Mott MacDonald, PCE, and Unipart for exchange.



12.6.2025

香港建科院於「公路及鐵路國際會議2025」發表主題演講 Delivered a keynote speech at the "International Conference on Roads and Railways 2025"

香港建科院主席韓志強工程師應邀發表主題演講，分享了建科院推進運輸基建創新的最新發展與未來方向。

Ir Hon Chi-keung, Chairperson of BTRi, delivered a keynote speech, outlining BTRi's latest developments and strategic directions in promoting innovation in transport infrastructure.



31.7.2025

香港建科院支持「建築機械人比賽暨展覽」

BTRi supported the "Construction Robotics Competition and Exhibition"

香港建科院全力支持於七月舉行「建築機械人比賽暨展覽」一系列活動，見證建造業的未來發展。

BTRi fully supported the series of events for the "Construction Robotics Competition and Exhibition" held in July, witnessing the future development of the construction industry.



23.6.2025

頒發「組裝合成製造商認可計劃」證書

Presentation of the MiC-MAS Accreditation Certificate

香港建科院向首批通過「組裝合成製造商認可計劃」的八間認可製造商頒發證書。

BTRi presented MiC-MAS accreditation certificates to the first batch of eight accredited manufacturers.



15.8.2025

香港建科院成立一周年
BTRi's 1st Anniversary





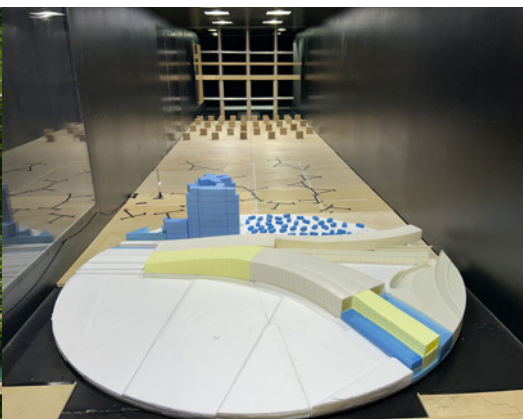
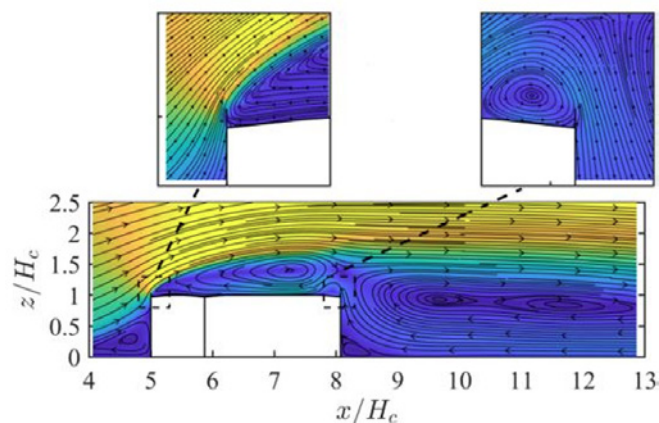
通過風洞測試以優化本地隔音屏障設計 Design Optimisation of Noise Barriers with Wind Tunnel Test

香港建科院致力推動建築創新，以有效降低工程成本並提升建造效率。在近期開展的一項工作中，建科院與香港科技大學合作，利用風洞試驗對元朗南第二期發展項目中的部分隔音屏障進行了風流場與表面壓力的研究測試，以分析及確定了更準確的風荷載參數，對該屏障結構作出進一步的優化。

研究指出，該處隔音屏障實際承受的風荷載較現行設計標準低30%以上。基於這一發現，我們正積極推進更多隔音屏障項目的風洞測試，累積更多數據資料，以支援進一步優化路政署《道路及鐵路結構設計手冊》中相關條文，從而為隔音屏障設計提供更佳的设计參數。

BTRi is committed to promoting innovation in construction to effectively reduce project costs and enhance construction efficiency. In a recent initiative, the BTRi collaborated with the Hong Kong University of Science and Technology to conduct a study on the wind flow field and surface pressure of a portion of noise barriers in the Yuen Long South Phase 2 development project using wind tunnel tests. Based on this analysis, more accurate wind load parameters were determined, leading to further optimization of the barrier structure.

The study revealed that the actual wind load borne by the noise barriers at the site is over 30% lower than the current design standards. Building on this finding, we are actively advancing wind tunnel testing for more noise barrier projects to accumulate additional data. This will support further optimization of the relevant provisions in the Highways Department's "Structures Design Manual for Highways and Railways" thereby providing improved design parameters for noise barrier design.



「組裝合成」製造商認可計劃

Modular Integrated Construction Manufacturer Accreditation Scheme (MiC-MAS)

為了加強MiC元件供應鏈並提升組裝合成MiC元件的標準及可靠性，香港建科院於2024年11月15日正式推出「組裝合成」製造商認可計劃。該計劃對推動創新及促進MiC技術廣泛應用具有關鍵作用，助力香港成為先進建築技術的領導者。

在此計劃下，所有申請製造商均需經過建科院嚴格審查，確保製造過程滿足品質、安全、環保、管理、物流、生產能力等標準，同時還需對製造商過往三年的財務狀況和過往表現進行評估，實現全方位嚴格把關。

2025年6月23日，香港建科院於「組裝合成」模塊化建築產業發展周啟動儀式上頒發首批「組裝合成」製造商認可計劃的證書，八家製造商通過評審並獲得了認可證書。發展局局長甯漢豪女士在致辭中表示，未來涉及「組裝合成」的工務工程項目將要求製造商在投標之前必須先獲得認可計劃證書。此計劃將提升香港建築業的生產力與成本效益。

To strengthen the MiC module supply chain and elevate the standards and reliability of MiC modules, the MiC-MAS was introduced by the BTRi on 15 November 2024. The Scheme plays a crucial role in driving innovation and supporting the broader adoption of MiC technology, positioning Hong Kong as a leader in advanced construction methods.

Under MiC-MAS, all manufacturers undergo rigorous evaluation by BTRi to ensure compliance with standards covering quality, safety, environmental protection, management, logistics, and production capacity. An assessment of financial status and past performance over the past three years is also conducted to ensure comprehensive quality assurance.

On 23 June 2025, BTRi awarded the first batch of MiC-MAS certificates to eight accredited manufacturers during the opening ceremony of the MiC Week. Speaking at the launching ceremony, the Secretary for Development, Ms Bernadette Linn, stated that future public works projects involving MiC will require manufacturers to hold valid MiC-MAS certification before bidding for tenders of relevant projects. The Scheme should enhance the productivity and cost-effectiveness of Hong Kong's construction industry.



建築產品認可計劃

Construction Product Accreditation Scheme (CPAS)

為了拓寬建築產品市場，並推廣使用高品質及具成本效益的建築產品供工務工程使用，發展局委託香港建科院推行「建築產品認可計劃」（簡稱CPAS）。

香港建科院將根據建築供應商透過CPAS提交的資料進行技術審核及認可。項目團隊可參考在網上發佈香港建科院已認可的產品清單，以加快產品審批流程，從而提升效率及品質保證。

為配合技術審核工作，香港建科院參考土木工程拓展署及建築署制定的政府一般規格，以及多項大型公共工程的特別規格編製成「香港建科院產品規格」（簡稱BPS）。

香港建科院已於2025年8月及9月舉行了多場簡介會，向政府部門、顧問公司、承建商、分包商、供應商及其他建造業持份者介紹計劃內容，而「建築產品認可計劃」將於2025年9月正式推出。

To widen the construction product market and promote the use of high-quality and cost-effective construction products in Hong Kong, the Development Bureau has commissioned the BTRi to initiate the Construction Product Accreditation Scheme (CPAS).

Through CPAS, BTRi will conduct technical vetting and provide certificates based on submissions from product suppliers. Project teams can speed up the product approval process by referring to the online published list of CPAS approved products, thereby improving both efficiency and quality assurance.

To support the technical vetting, BTRi refers to the Government General Specifications formulated by Civil Engineering and Development Department (CEDD) and Architectural Services Department (ArchSD), as well as particular specifications from major public works projects to establish the BTRi Product Specifications (BPS).

Various briefing sessions to government departments, consultants, contractors, sub-contractors, suppliers and other construction stakeholders were held in August and September 2025 to introduce the details of the CPAS which will be launched in September 2025.



香港建科院啟動本地建築標準檢討，提升建造行業的效益

BTRi Launches Review of Local Construction Standards to Bring Industry-Wide Benefits

香港建科院正聯同政府部門、業界及學術機構，檢討多項現行的建築標準，透過持續檢視建築標準及要求，推動建築行業技術升級與可持續發展及統一不同的規範，以提升效率並降低建築成本。檢討將參考國內外標準，重點涵蓋以下方向：

優化現有設計參數：例如混凝土抗壓強度；

設立區域性參數：例如針對北部都會區等重點發展區域，審視地基承載力等地方化設計條件；

建立新材料新技術標準：例如高強度鋼材及組裝合成建築法新技術；

研究引入新設計及質量管理模式：例如樁－筏基礎設計，鋼筋產品認證體系和循序漸進的防洪評估方式。

BTRi is working with government departments, industry stakeholders, and academic institutions to review a range of current building standards. Through continuous review of these standards, the initiative aims to drive technological advancement and sustainable development in the construction sector, harmonize diverse regulations, improve operational efficiency, and reduce construction costs. The review will draw on both international and national standards, focusing on the following key areas:

Optimizing existing design parameters: For example, the compressive strength of concrete;

Developing region-specific parameters: For example, reviewing foundation bearing capacity for key development zones such as the Northern Metropolis;

Establishing new material standards: For example, for high-strength steel and MiC method;

Studying to introduce new design and quality management methods: such as pile-raft foundation design, a certification system for steel reinforcement products, and progressive adaptive approach flood risk assessment.





粵港澳大灣區建築標準

Guangdong-Hong Kong-Macao Greater Bay Area (GBA) Construction Standards

在香港特區政府發展局及廣東省住房和城鄉建設廳的指導下，香港建科院擔任港方秘書單位，並與廣東省建築科學研究院集團股份有限公司緊密協作，支持由政府主導設立的粵港澳大灣區工程建設標準化協同工作機制。此機制具有關鍵重要性，所有大灣區建築標準將經由該機制，並由業界及學界專家共同制訂。

目前，香港建科院正專注於制定粵港澳大灣區組裝合成建築法及高強度鋼材的相關標準，這些舉措預期將對建築業產生重大影響。展望未來，香港建科院將與廣東省建築科學研究院集團有限公司緊密合作，進一步推動大灣區在綠色低碳發展、建築消防安全及數位化等重點領域的標準建設。

Under the guidance of the Development Bureau of the Government of the Hong Kong Special Administrative Region and the Department of Housing and Urban-Rural Development of Guangdong Province, the BTRi serves as the secretariat for Hong Kong side and works closely with Guangdong Provincial Academy of Building Research Group Co., Ltd. to support the government-led establishment of the standardisation synergy mechanism for engineering construction in the GBA. This mechanism is of critical importance, in which all GBA construction standards will be formulated through this platform and jointly developed by industry and academic experts.

Currently, BTRi is focusing on developing GBA standards for MiC and high-strength steel. These initiatives poised to make a significant impact on the construction industry. Looking ahead, the Institute will work closely with the Guangdong Provincial Academy of Building Research Group Co., Ltd. to further advance GBA standards in key areas such as green and low-carbon development, construction fire safety, and digitalisation.

BTRi創新夥伴計劃

BTRi Innovation Partner Programme

香港建科院於2025年6月正式推出BTRi創新夥伴計劃，旨在填補試點應用與行業廣泛應用之間的差距，更好地支持本地創新，並確保建造業能充分受惠於這些創新成果。

BTRi launched the BTRi Innovation Partner Programme in June 2025, aiming to better support local innovations by bridging the gap between pilot applications and industry-wide adoption, ensuring the construction industry can fully benefit from these innovations.

BTRi創新夥伴 BTRi Innovation Partner



經過我們的綜合評估，我們很榮幸宣佈i2Cool (創冷科技) 成為BTRi首個創新夥伴！

Following our comprehensive assessment, we are thrilled to announce that i2Cool has been selected as the first BTRi Innovation Partner!

i2Cool具有以下優勢 i2Cool was recognised for

- ▶ 創新技術源自香港本地研發
Being a cutting-edge innovation developed in Hong Kong
- ▶ 產品能為建築業帶來顯著的可持續發展效益
Its products have a high sustainability impact to the construction industry

香港建科院對i2Cool的支持 BTRi's support to i2Cool

- ▶ 增加本地及海外市場曝光
Local and overseas exposure
- ▶ 推動工務工程應用
Facilitate adoption in public works projects



“

「香港建科院在建築科技研發和標準制定方面處於領導地位，正好為我們創冷科技提供了推動創新擴展所需的土壤與資源。他們的專業技術和灣區網絡，有效加快了我們無電製冷方案的驗證與落地。我們有著共同的目標——推動綠色建築創新，讓可持續科技真正走進大灣區的城市與生活。」

“As a leader in building technology research and standardization, BTRi provides exactly the kind of ecosystem we need to scale our innovations. Their strong technical capabilities and regional network have helped accelerate the validation and deployment of i2Cool's electricity-free cooling solutions. We share a common goal, to drive green building innovation and turn sustainable technologies into real impact across the Greater Bay Area.”

朱毅豪教授
Prof. Martin Yihao Zhu



”

i2Cool 的突破性產品

i2Cool cutting edge product

無電制冷塗層特點 i2Coating Product Features

- ▶ **超強降溫 Efficient Cooling**
最高表面降溫可達42.9°C，節省空調能耗至42%
Surface temperature reduction up to 42.9°C;
energy saving rate up to 42%
- ▶ **安全可靠 Safe and Reliable**
超低VOC水性塗料，Class A防火等級
Ultra-low VOC water-based coating with Class A
fire rating
- ▶ **性能全面 Comprehensive Performance**
滿足防水、防油、防塵和高疏水性需求
Waterproof, oil-resistant, dust-resistant, and highly
hydrophobic
- ▶ **施工簡易 Easy to Apply**
可噴/刷/輥塗，適用各種複雜表面結構
Spray, brush, or roll application, suitable for
various complex surface structures
- ▶ **耐候性強 Excellent Weather Resistance**
耐鹽霧抗腐蝕，制冷效果長達10年
Salt spray and corrosion-resistant, with cooling
efficiency lasting up to 10 years
- ▶ **潘通定制 Pantone Customization**
客製化色彩解決方案
Custom color solutions tailored to project needs



i2Coating 無電制冷塗層 為水性塗料，具備達95% 太陽光反射率與 95% 中紅外發射率。適用於混凝土與金屬基材，其強耐候性令其適用於屋頂、工廠、數據中心、電力設備等場景。

其短產品回本期(1-3 年)，及真實使用例子 – 紅磡體育館及廣州華商學院等，為全球城市帶來創新節能之道。

i2Coating is a water-based radiative cooling paint with both solar reflectivity and mid-infrared emissivity reaching 95%. It is applicable to concrete and metal surfaces, and its excellent weather resistance makes it suitable for rooftops, public buildings, industrial sites, data centres, and power equipment.

With a short payback periods (1–3 years) and proven use cases – such as the Hong Kong Coliseum and Guangzhou Huashang College – i2Cool solutions are helping to shape a greener built environment worldwide.

無電制冷膜產品特點 i2Film Product Features

- ▶ **強效制冷 Efficient Cooling**
最高表面降溫可達15.4°C
Surface temperature reduction up to 15.4 °C
- ▶ **高透光視野清晰 High Transmittance for Clear Visibility**
高達75%可見光透射率
Visible light transmittance up to 75 %
- ▶ **高紫外線阻隔 High UV Protection**
保護肌膚健康，延長物品使用壽命
Protects skin health; Extends product lifespan
- ▶ **超強韌性 Superior Toughness**
拉伸延展度優，防爆保安全
Excellent tensile elongation to prevent explosion
- ▶ **性能穩定全面 Stable and Comprehensive Performance**
高隔熱、高阻隔、耐磨擦
High insulation, barrier and abrasion resistance
- ▶ **多種顏色可供選擇 Diverse Color Options**
灰色、藍色、綠色等
Gray, blue, green, etc



i2Film 無電制冷膜 採用高性能 PET 光學膜材，具備高達 94% 的中紅外發射率，阻隔 99.9% 紅外線與 100% 紫外線，可見光透過率高達 75%。產品提供標準版、高階版、鏡面版與外貼版等，滿足住商及車用等多樣場景需求。

i2Film, designed for glass surfaces, is made of PET optical film with high mid-infrared emissivity (up to 94%). It blocks 99.9% of infrared rays and 100% of UV rays, while allowing up to 75% visible light transmittance. With diverse visible light transmittance options and versions such as Standard, Advanced, Mirror, and External, it fits residential, commercial, and vehicle use.

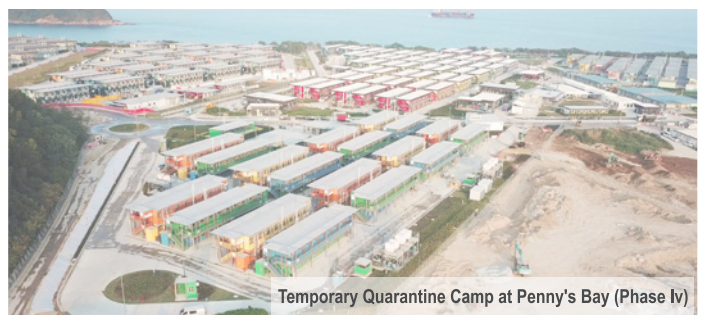
如想了解更多，歡迎聯絡 info@btri.hk
Contact info@btri.hk for more information



Noise Barriers along Tuen Mun Road



Road Works for SGMTS Phase 1 in HSKHT



Temporary Quarantine Camp at Penny's Bay (Phase IV)

Inspiration with Excellence



Mannings (Asia) Consultants Limited
Wholly owned subsidiary of Boltek Holdings Limited (HKEX Stock Code 8601)
5/F, Winning Commercial Bldg., 46-48 Hillwood Rd., Tsim Sha Tsui, Kin., Hong Kong
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i-Box Modular Housing Limited
毅博組裝合成房屋有限公司

項目 / Project

將軍澳第72區興建消防局暨救護站、
部門宿舍及消防設施
Construction of Fire Station-cum-
ambulance Depot with Departmental
Quarters and Facilities in Area 72,
Tseung Kwan O

模塊組件包含

MiC Modules Includes

- 住宅單位 Residential Flat
- 廁所 Toilet
- 廚房 Kitchen
- 機電房 EM Room
- 水錶房 WMC Room
- 垃圾房 RS & MR Room

MiC 混凝土項目
RC MiC Project

648 個模塊
Total 648 nos of Modules

致力營運 組裝合成建築

Dedicated to Modular Integrated Construction

方案設計
Detailed Design



物流運輸
Logistic Planning

全過程的整體
解決方案

A Comprehensive Solution
for the Entire Process

生產製造
MiC Manufacturing



現場吊裝
On-site Installation



Tel 電話: +852 3998 8466



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Office Location: Unit 5, 4/F, Fo Tan Industrial Centre, No.26-28 Au Pui Wan Street, Fo Tan



佛山工廠: 廣東省佛山市高明區明城鎮明八路133號東區

Foshan Factory: 133 East District, Mingba Road, Mingcheng Town, Gaoming District, Foshan City.

香港建築科技研究院會員計劃

BTRi Membership

香港建科院會員計劃旨在聯繫大學、政府及業界，共同推動和促進建造業創新發展，引領本地建造業實現高性能產業和可持續發展，鞏固香港在基礎設施和城市發展方面的全球和地區性領先地位。

BTRi Membership Programme aims at promoting and driving construction innovation via university-government-industry collaboration. By enabling a high-performing industry and sustainable built environment, it underpins the global and regional leading position of Hong Kong in infrastructure and urban development.

會員福利 Member Benefits



尊貴會員 Patron Member

享有基本福利外更多卓越福利
A premium membership
offered with enhanced benefits
in addition to core benefits



優越會員 Elite Member

享有基本福利
A foundational membership
offered with core benefits



卓越福利 Enhanced Benefits

尊貴會員可享有香港建科院認可、認證計劃及活動費用的九折優惠

Patron Members can enjoy 10% discount on BTRi's Events and Accreditation and Certification Schemes



基本福利 Core Benefits

工作坊、研討會及座談會
Workshops, seminars, and forums



高管商務考察
Executive visits



業界交流活動
Industry networking events



透過香港建科院刊物提升品牌形象及曝光
Branding and visibility through BTRi's publications

2025年即將舉辦的活動 Upcoming Events in 2025

SEP

上海-杭州高管商務考察

包括技術考察、學術及業界交流

Executive Visit @ Shanghai-Hangzhou

A mix of technical visits, academic exchanges, and industry networking

NOV

研討會

就業界熱門趨勢作主題演講及專題討論

Seminar

Keynote speech and panel discussion on industry hot topics

DEC

雞尾酒會

促進大學、政府及業界交流

Cocktail Reception

Foster university-government-industry exchange

更多詳情請瀏覽 <http://member.btri.hk>
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