

# CITFDIGEST



## CITF 建造業 創科基金

二零二三年九月 SEPT 2023 / 第十七期 ISSUE 17

融匯科技 創建香港 WE INNOVATE, WE BUILD

香港特別行政區政府發展局於2018年10月推出建造業創新及科技基金(基金)後，一直與建造業議會(議會)聆聽業界意見，並持續推行優化措施，協助業界應用創新科技及培訓相關人才。2023年7月，獲批撥款達10億港元，為基金首五年的總注資金額，是基金營運以來一個重要里程碑。

Since the launch of the Construction Innovation Technology Fund (CITF) in October 2018, the Development Bureau (DEVB) of the Hong Kong Special Administrative Region Government and the Construction Industry Council (CIC) have taken heed of the industry's feedback and continuously implement enhanced measures to assist and drive the adoption of innovations and advanced technologies in the industry and training of relevant talents. In July 2023, the approved fund grant reached the critical milestone of \$1,000M, the total funding injection to support the CITF's first 5 years of operation.



## 建造業創新及科技基金全面檢討 CITF Overall Review and Industry Survey 2023

議會於2023年上半年，外聘了顧問公司對基金進行全面檢討，以收集業界對有關基金表現的反饋意見，了解行業從業員對採用創新科技的心態和找出更好地利用基金去支持業界採用創新科技的方法。除了舉辦焦點小組會議和分析成功申請者提交的評估報告，顧問團隊還以網上問卷模式進行了全面的行業調查。

簡報將撮要全面檢討的重點以及優化措施的實施進度。

In the first half of 2023, the CIC appointed an external consultant to conduct an Overall Review of the CITF to collect the industry's feedback on the performance of the CITF, understand the mindset of industry practitioners towards technology adoption and identify ways to better support the industry in adopting innovative technologies by the CITF. An industry-wide survey was conducted online in addition to the Overall Review focus group meetings of target key stakeholder groups and the review on evaluation survey results of successful applications.

This digest shares herewith the key findings of the survey and Overall Review and progress of enhancement measures.

### 基金統計數字

#### Funding

#### Statistics

#### 獲批項目及總金額名單 (截至2023年8月31日)

List of Approved Projects and Amount (as at 31 August 2023)

	數量 Numbers	獲批總金額(港元) Amount(HK\$)
建築信息模擬培訓 Building Information Modelling (BIM) Training	744	3,150萬
建築信息模擬軟件及硬件 BIM Software and Hardware	1011	1.108億
創新建築科技 Advanced Construction Technologies	1 336	5.341億
「組裝合成」建築法 Modular Integrated Construction	73	1.79億
預製鋼筋 Prefabricated Steel Rebar	182	1.596億
人力發展 Manpower Development	36	1,390萬

總數 Total :

3 382

10.3 億

<https://www.citf.cic.hk>

CITF 建造業創新及科技基金

[citf.cic.hk](https://www.instagram.com/citf.cic.hk)



發展局  
Development Bureau



CONSTRUCTION INDUSTRY COUNCIL  
建造業議會

# 2023年行業調查的主要結果

## Key Findings of the Industry Survey 2023

2023年行業調查結果令人鼓舞。大多數業界持份者，包括受惠對象和非受惠對象，都認為基金對促進科技應用和幫助業界在建築項目上改變傳統的建造模式產生正面影響。調查結果總結如下：

The results of the industry survey 2023 are encouraging. The majority of the industry stakeholders including both the beneficiaries and non-beneficiaries found that the CITF had achieved positive impact on promoting technology adoption and helping the industry to transform in the way of delivering construction projects. The key findings are summarised as follows:

**接近80%的受訪者認為基金對行業有幫助 87%的受惠對象會向其他人士推薦基金**  
**Around 80% of the respondents considered CITF helpful to the industry and 87% of beneficiaries would recommend CITF to others.**

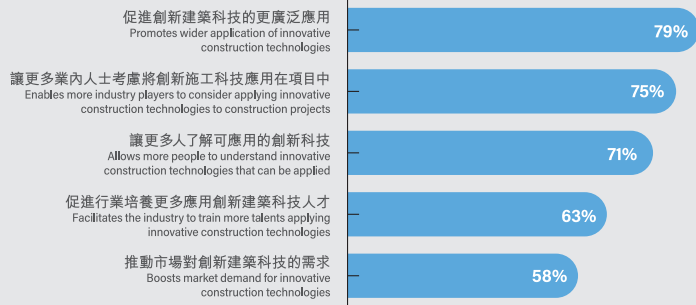
### 1

#### 建造業創新及科技基金有利於推動創新科技在建築領域的應用

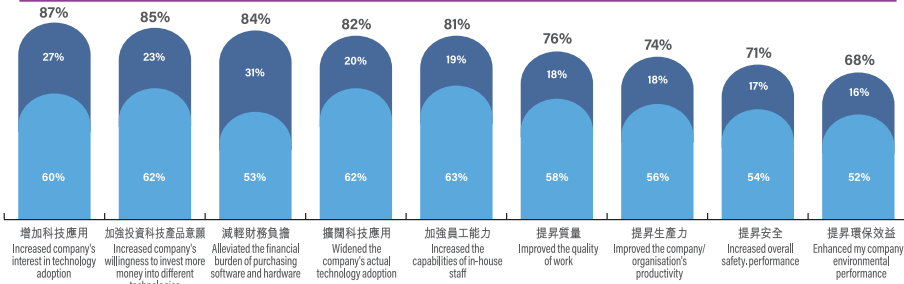
CITF was conducive in promoting application of innovative technologies in construction

超過70%的受訪者認為基金有助於促進更廣泛的應用、為更多行業參與者提供支援以及提高全行業對創新科技的理解。Over 70% of respondents considered CITF helpful in promoting wider technology adoption, enabling more industry players to consider technology adoption, and facilitating a better understanding of applicable technologies.

#### 對行業的整體幫助 Overall Helpfulness of CITF to the Industry



#### 獲CITF資助科技的整體效益 Overall Effectiveness of CITF-funded Technologies



### 2

#### 業界認同基金資助科技帶來的多重好處 Industry recognised multiple benefits brought by CITF-funded technologies

此外，基金為受惠者帶來漣漪效應，增加了他們對創新科技的應用和投資的進一步興趣，並促進了更廣泛地應用在不同項目。

超過80%的受訪者認為基金在以下方面有顯著成效：

- 提高了公司對創新科技應用的興趣；
- 提高了公司投資更多創新科技的意願；
- 減輕了財務負擔；
- 擴大了公司的實際採用創新科技項目；
- 增強了內部員工應用科技的能力

大約70%的受訪者認同基金提高了：

- 生產力 • 質量 • 安全 • 環保效益

The CITF had also created a ripple effect in the beneficiary companies, further their interests in technology adoption and investment, as well as promoting wider adoption in projects.

More than 80% respondents considered that CITF was effective in,

- Increasing company's interest in technology adoption,
- Increasing company's willingness to invest more on technologies,
- Alleviating the financial burden,
- Widening company's actual adoption,
- Increasing in-house staff capabilities of technology adoption

Around 70% respondents considered CITF effective in improving :

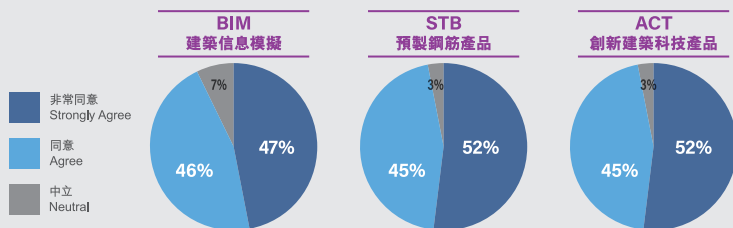
- Productivity • Quality • Safety • Environmental Performance

### 3

#### 90%受惠公司會推介已獲建造業創新及科技基金認可的科技給客戶

90% of beneficiaries would recommend CITF-funded technologies to clients

絕大多數受惠公司都會向客戶推薦基金資助的不同類別的科技，包括建築信息模擬(BIM)、創新建築科技(ACT)和預製鋼筋(STB)，這表明基金資助的科技有利於受惠公司及其項目，並且得到業界的好評。

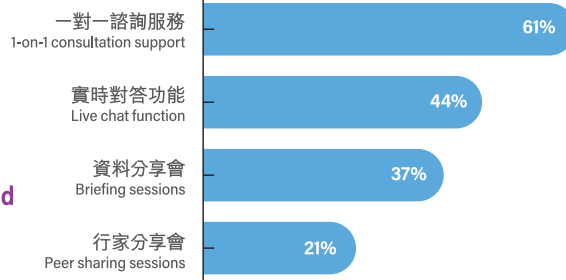


The vast majority of beneficiaries would recommend the CITF-funded technologies across different categories including Building Information Modelling (BIM), Advanced Construction Technologies (ACT) and Prefabricated Steel Rebar (STB) to their clients. This represents the CITF-funded technologies are beneficial to the beneficiaries and their projects and well received by the industry stakeholders.

## 2023年行業調查的主要結果 Key Findings of the Industry Survey 2023

### 4 在申請過程中提供 一對一諮詢服務為 最有用的幫助 One-on-one consultation provided the most helpful support during application

大部份的受惠者認為，相比其他聯絡渠道及支援，例如熱線或資料分享會，一對一的諮詢服務在整個申請過程中更為有幫助。



在申請過程中甚麼類型的額外服務會有幫助？  
What type of additional support would be helpful during the application process?

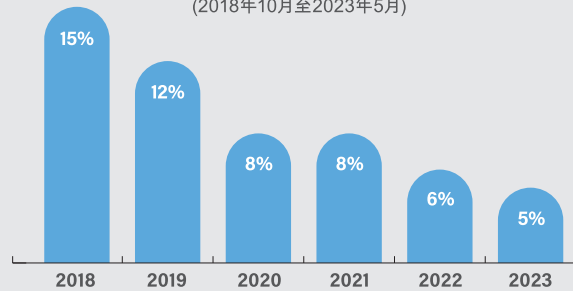
The majority of beneficiaries found the 1-on-1 consultation support was particularly helpful throughout the whole application process in addition to other communication channels or support including hotline and briefing sessions.

### 5 業界持份者對基金的了解 更加深入，成功率更高 Industry stakeholders had been gaining better understanding on the funding with higher successful rate

申請被拒比率，已從2018年的15%下降至2023年的5%，反映申請者從過往的推廣活動和基金刊物更深入了解基金資助要求和申請程序。除此之外，基金秘書處外展團隊將到建築工地、商會和個別公司(包括小型公司和分包商)為業界舉辦更多資訊分享會，讓他們了解現有建築科技的最新趨勢、基金的支援和相關申請程序。

#### 各年申請被拒的比率 Application rejection rate by year

(2018年10月至2023年5月)



Application rejection rate had dropped from 15% in 2018 to 5% in 2023 reflecting that applicants had been gaining a better understanding on the funding requirements and application procedures in the past few years after series of promotion activities and publications. Nevertheless, more briefing sessions will be delivered to construction sites, trade associations and individual companies including the small companies and sub-contractors by the Outreach Team to equip the industry the latest trend of available construction technologies, the CITF support and the relevant application procedures.

## 有關成功申請個案的評估報告主要結果

### Key Findings on Evaluation Survey Results of Successful Applications

#### 受惠者認為創新科技為其項目和公司帶來的好處：

Beneficiaries commended benefits of technologies to their projects and companies :

截至2023年2月，根據成功申請基金受惠對象於項目完成後呈交的評估報告所分享的實際經驗，讓我們得悉：

- 超過93%的受惠對象認為有基金資助的創新科技對公司/項目有利
- 超過95%的受惠對象認為有基金資助的創新科技有助於滿足客戶的需求，提高他們的優勢和競爭力
- 超過80%的受惠對象發現有基金資助的創新科技提高了施工過程中的生產力、質量、安全和環保效益
- 超過85%的受惠對象會建議客戶使用有基金資助的創新科技，及
- 高達89%的受惠對象表示，將來無論合約有否要求都會使用建築信息模擬或創新建築科技產品

As of February 2023, the actual experience shared by the CITF successful beneficiaries in their evaluation reports submitted upon completion of the approved projects enables us to understand :

- Over 93% beneficiaries found the CITF-funded items beneficial to the company/project
- Over 95% beneficiaries found the CITF-funded items helped meet client requirements, increase their capabilities and competitiveness
- Over 80% beneficiaries found the CITF-funded item improved either productivity, quality, safety and environmental performance in the construction process
- Over 85% beneficiaries would recommend clients to use CITF-funded technologies; and
- Up to 89% beneficiaries would use the BIM or ACT products in future regardless of contractual requirements

# 建造業創新及科技基金主要優化措施\*

## Major Enhancements of the Construction Innovation Technology Fund (CITF)

(\*詳情請參閱基金網站。 Please refer to the CITF website for details.)

經過分析業界的回饋，議會將推出自2022年中期檢討後力度最大的基金優化措施。其中以下三項重點優化包括：

1. 加強創新建築科技的租賃資助，鼓勵業界試用
2. 提升對私營「組裝合成」建築項目的資助，特別是針對高層建築物
3. 取消建築信息模擬的分項資助上限，為申請者提供更大彈性以調撥基金去推動更廣泛培訓及應用。

Having analysed the industry feedback, CIC will launch the most intensive enhancements since the last major enhancements subsequent to the mid-term review in 2022. The three (3) major ones include :

1. Enhancing rental mode under ACT to encourage trial adoption
2. Enhancing the support for MiC adoption in private sector and in particular high-rise buildings and,
3. Removing the sub-ceiling for BIM to allow more flexibility in fund allocation within applicants' organisation to promote wider BIM training and adoption.

## 1 提升對創新建築科技產品的租賃支持 推動創新科技應用

### Uplift Advanced Construction Technologies (ACT) Rental Support Foster the Use of Innovative Technology

為鼓勵業界對資本密集的科技進行先行先試和後續投資，自**2023年9月1日起**，基金加大了對創新建築科技 (ACT) 產品租賃資助，每項科技的租賃上限由300,000港元**大幅提高至1,000,000港元**。詳情總結如下：

To better encourage the trial adoption of and subsequent investment on advantageous yet capital-intensive technologies among the industry, since **1 September 2023**, the CITF has enhanced the support on rental of Advanced Construction Technology (ACT) products with **significant increase** of the per-technology cap from HK\$300,000 **to HK\$1,000,000**. Details are summarised as follows:

項目 Item	優化前措施 Measures Before Enhancements	最新優化措施 Enhanced Measures 生效日期：2023年9月1日 Effective from : 1 September 2023
租賃期上限 Maximum Rental Period	6個月 Months	大幅延長一倍 Double Rental Period <b>12個月 Months</b>
每位申請者 (公司) 每項科技租賃 資助上限 Rental Fund Ceiling, Per-technology Per-applicant (company)	HK\$300,000	大幅提升超過兩倍 Increased more than 200% <b>HK\$1,000,000</b>
每位申請者 租賃資助上限 Rental Fund Ceiling Per-applicant	HK\$600,000	<b>HK\$1,000,000</b>



# 建造業創新及科技基金主要優化措施\*

## Major Enhancements of the Construction Innovation Technology Fund (CITF)

(\*詳情請參閱基金網站。 Please refer to the CITF website for details.)

### 2 「組裝合成」建築法優化措施

#### 鼓勵創新高層「組裝合成」建築法建築項目

#### Enhance funding support for Modular Integrated Construction (MiC)

#### Encourage New Innovative High-rise MiC Projects

為進一步鼓勵業界於私營市場應用「組裝合成」建築法，尤其是高樓層工程，基金自2023年10月1日起，在項目設計階段和建造階段均為項目顧問或承建商提供優化支援方案。

In order to further encourage adoption of the "MiC" among the industry in the private sector and in particular high-rise building projects, since 1 October 2023, CITF has enhanced the funding support for project consultants and contractors, for both project design and construction stage.




#### 承建商 Contractors

「組裝合成」建築法指定建造設備  
MiC specific construction plant

#### 顧問 Consultant

項目顧問在推行 MiC 項目時產生的額外費用  
Additional Costs incurred by Project Consultant in implementing the MiC Project

		<b>最新優化措施</b> Enhanced Measures 生效日期: 2023年10月1日 Effective from: 1 October 2023
根據工程項目的樓層高度，每個工程項目資助上限 Per-project fund ceiling according to the building height of the project  額外資助吊運安全相關方案 Additional subsidy for safety-related measures in MiC module lifting operation	HK\$2,500,000   不適用 N/A	<b>6-15層的建築物</b> 6- to 15-storeys building: <b>HK\$2,500,000</b>  <b>15層以上的建築物</b> Building above 15 storeys: <b>HK\$3,500,000</b>  大幅提升4成 Increased 40%  <b>最多 Up to HK\$1,000,000</b> (每個工程項目 Per-project)

		<b>最新優化措施</b> Enhanced Measures 生效日期: 2023年10月1日 Effective from: 1 October 2023
根據工程項目的樓層高度，每個工程項目資助上限 Per-project fund ceiling according to the building height of the project  額外資助創新設計、智慧方法及行內良好作業 Additional subsidy for the innovative design, smart approaches and best practice	HK\$4,000,000   不適用 N/A	視乎樓層高度，大幅提升每個工程項目資助上限 Depending on building height increased per-project fund ceiling  <b>6-15層的建築物</b> 6- to 15-storeys building: <b>HK\$5,000,000</b>  <b>15層以上的建築物</b> Building above 15 storeys: <b>HK\$7,500,000</b>  <b>最多 Up to HK\$1,000,000</b> (每個工程項目 Per-project)

### 3 放寬建築信息模擬分項資助上限

#### 鼓勵靈活分配資金

#### 更廣泛運用於培訓及應用

Remove BIM Funding Ceiling  
Encourage more Flexible Funding allocation for Wider BIM Training and Adoption



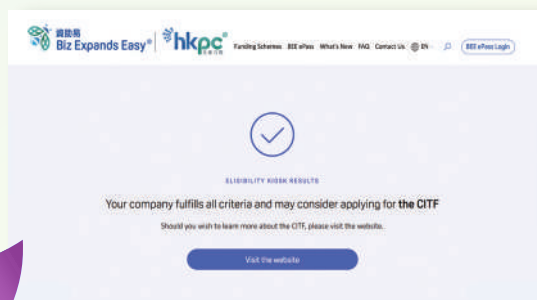
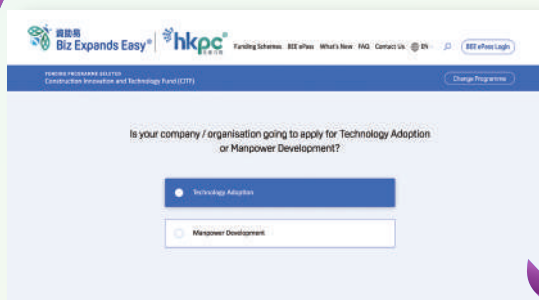
項目 Item	優化前措施 Measures Before Enhancements	<b>最新優化措施</b> Enhanced Measures 生效日期: 2023年9月1日 Effective from: 1 September 2023
每間公司的建築信息模擬資助(包括培訓及應用) Per-company BIM Funding Ceiling (for both training and adoption)	HK\$1,500,000	大幅提升三倍 Increased more than 300%  <b>HK\$6,000,000</b>  (仍受限於港幣750萬建築信息模擬和創新建築科技合併上限) (still subject to the HK\$7,500,000 per-company combined funding ceiling for BIM and ACT)

# 其他相關便利基金申請優化措施 Other Enhancements to Facilitate Application

## 1. 自行資格審查網站 Self-check eligibility portal

自2023年6月起，基金與香港生產力促進局合作，於「資助易」網站提供基金的自行資格審查 (<https://bee.hkpc.org/>)，協助潛在申請者於呈交申請前初步核實資格。透過網站，潛在申請者只需要回答數條簡單選擇題便可以初步了解是否符合資格申請。

Since June 2023, CITF has collaborated with the Hong Kong Productivity Council (HKPC) to offer the self-check eligibility service in the Biz Expands Easy (BEE) portal (<https://bee.hkpc.org/>) to facilitate potential applicants to verify their eligibility before submitting the application. Through the BEE portal, potential applicants are only required to answer a few multiple choice questions to get a preliminary idea on their eligibility.



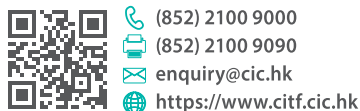
## 2. 加強一對一諮詢服務的宣傳 Enhance promotion on 1-On-1 consultation service

在2023年的調查報告中，61%的受惠者認為一對一的諮詢服務在整個申請過程中至關重要。因此，基金秘書處在Megabox辦公室設立了諮詢服務台，並加強有關宣傳。

As per the industry survey conducted in 2023, 61% of beneficiaries found 1-on-1 consultation support has particularly helpful throughout the whole application process. Therefore, CITF Secretariat has established an **Advisory Station** at Megabox Office for this purpose and enhanced its promotion.



電話查詢 Enquiry: (852) 2100 9000 (請於選擇語言後，按選項"7"以聯絡基金秘書處 Please select option "7" for the CITF after the language selection)



## 其他相關便利基金申請優化措施 Other Enhancements to Facilitate Application

### 3. 建立外展隊伍接觸不同持份者 Establish Outreach Team to reach out to different stakeholders

基金新增了外展隊伍，專門到工地和公司探訪不同行業持份者，尤其是分包商、中小企及商會，為他們提供最新基金及科技資訊，以及準備和呈交申請的實用指引。

CITF established a designated outreach team for reaching out to different stakeholders in the industry in particular sub-contractors, Small-to-Medium enterprises and trade associations, paying site and office visits to provide them with the most updated CITF and technology information as well as practical guidance on preparing and submitting applications.



### 4. 協助申請者符合採購流程要求，加強價格監控 Facilitate applicants to comply with stipulated procurement procedures, and enhance price control

為避免處理涉及產品價格上漲的申請時間過長，並為方便申請者在預算範圍內選擇目標產品，基金秘書處已在基金網頁公佈每項預先批核的科技產品的核准產品價格(即價格上限)。預先批核產品的核准產品價格包含了有關產品所有獲預先批核的細項價格，讓申請者了解供應商提供的報價是否合理以及預期的資助金額。申請加入預先批核名單的申請者在申請時亦須提供近5年的價格紀錄，以防止供應商濫收費用。基金秘書處亦將發布潛在供應商名單，以便申請者向相關供應商索取報價。

To avoid prolonged processing of funding applications involving price increments and facilitate applicants to select the targeted products within their budget, the CITF has published the Approved Product Price (i.e. price ceiling) for each pre-approved ACT product on CITF's webpage. The Approved Product Price for a pre-approved product consists price breakdown of all items pre-approved for that particular product under the CITF to enable the applicants to understand the reasonableness of the offer provided by the vendors and the expected fund grant. The applicants for admission to the Pre-approved List are also required to provide the price history of the immediate 5 years before the application for assessment to prevent unscrupulous price charging. A list of potential vendors will also be published to facilitate applicants to obtain quotations from relevant vendors.



### 5. 簡化最終撥款流程 Simplify Final Disbursement process

申請者需要在應用相關資助科技後提供回饋。該報告現已納入為最終撥款要求的一部分，而且簡化為多項選擇題的評估問卷和照片(3-5張，根據要求的角度拍攝)或視頻(不超過1分鐘)展示採用有關科技的體驗。問卷和照片/視頻可以在申請者採用相關科技至少3個月後，及在最終撥款申請之前提交，以加快最終撥款申請的審批流程。

While the applicants are required to report the feedback on adoption upon completion of the adoption of the funded technology, the report has become a part of the final disbursement request with a simple multiple-choice evaluation survey questionnaire, and 3-5 photos (of specified angles/ details) or a short video (not more than 1 min.) to share the site adoption experience. The survey results and photos/ video can be submitted before the final disbursement request upon completion of minimum 3 months of adoption period to facilitate approval process of the final disbursement request.



# 基金申請小貼士

## Tips for the CITF Applications



### Q1 我們是先前已獲批准租金資助申請的分包商，我們是否有資格獲得創新建築科技(ACT)的優化租金支援？

We are a sub-contractor with approved rental funding applications before, are we eligible to the enhanced rental support of Advanced Construction Technologies (ACT)?



A1

先前已獲批的租金資助將計入提高後的租金資助上限計算。

只要分包商是有效的註冊專門行業承造商或CIC列表中的註冊分包商，而每項科技和每家公司的資助上限以及累積租賃期尚未用完，均有資格獲得優化後的創新建築科技(ACT)租金支援。

The previous rental fund grant amount will be counted towards the enhanced fund ceiling for rental. A sub-contractor will be eligible to submit fresh applications under the enhanced rental support of ACT as long as it is a valid registered specialist trade contractor or registered sub-contractor in the list of CIC, while the per-technology, per-company fund ceiling and the cumulative rental period have not been depleted.

### Q2 「組裝合成」建築法(MiC)實施的計畫中的「行內良好作業」是甚麼？

MiC指定建造設備額外資助的安全相關措施的提交要求是甚麼？  
What is 'Best Practice' in MiC project implementation? What are the submission requirements for the additional subsidy for MiC plant?



A2

「行內良好作業」的例子包括採用透明度高的目標成本合約、向工程合約中的供應商預先付款等，但需根據具體情況進行評估。如申請額外最高港幣1,000,000元資助，用於MiC元件吊裝過程中納入的安全相關措施，申請者須指明擬採取的安全措施的類型，例如聘請外部安全專家、制定MiC特定安全計劃、進行MiC特定安全審核及訓練等，並提交詳細建議書。

Examples of 'best practice' include adoption of open book target cost contract, advanced payment to suppliers in the construction contracts etc. subject to case-by-case assessment. For application for the additional maximum HK\$1,000,000 subsidy for safety-related measures incorporated in the MiC module lifting process, applicant shall specify the type of proposed safety measures such as engagement of external safety specialists, formulating MiC-specific safety plan, conducting MiC-specific safety audits and training etc. and submit the detailed proposal.



### Q3 如果申請者之前已經獲批准港幣1,500,000元的建築信息模擬(BIM)相關資助，申請者還能夠申請多少BIM的資助？

If an applicant has already been granted for HKD 1,500,000 on BIM, how much more funding it can apply?

A3

如申請者於創新建築科技未有獲批任何資助，申請者可申請用於建築信息模擬培訓與應用的資助為港幣450萬(即每間公司港幣750萬資助額下，建築信息模擬及創新建築科技港幣600萬合拼資助的餘額)。

Where the applicant has not been approved for any fund grant under the Advanced Construction Technologies (ACT) category, the applicant can continue to apply for funding up to the HKD4,500,000 on BIM, including training and adoption (i.e. the remaining balance of \$6,000,000 per-applicant fund ceiling on BIM out of the \$7,500,000 combined per-applicant fund ceiling for BIM and ACT).

### Q4 如果最低投標報價超過預先批核名單上公佈的核准產品價格，我仍可以獲得目標產品的全額70%補貼嗎？

If the lowest bid quotation price exceeds the Approved Product Price published on the Pre-approved List, can I get the full 70% subsidy for the target product?

A4

對於2023年8月1日及之後提交的創新建築科技(ACT)資助申請，如最低投標報價超過批核產品價格，資助金額將按照核准產品價格計算。資助金額可能低於實際產品價格的70%。實際資助金額受限於相關的每項科技和每位申請者的資助上限。

For a funding application for ACT submitted on or after 1 August 2023 and where the lowest bid quotation exceeds the Approved Product Price, the fund grant amount shall be calculated based on the Approved Product Price which may be less than 70% of the actual product price. The actual fund grant shall always be subject to the relevant per-technology and per-applicant fund ceilings.

