

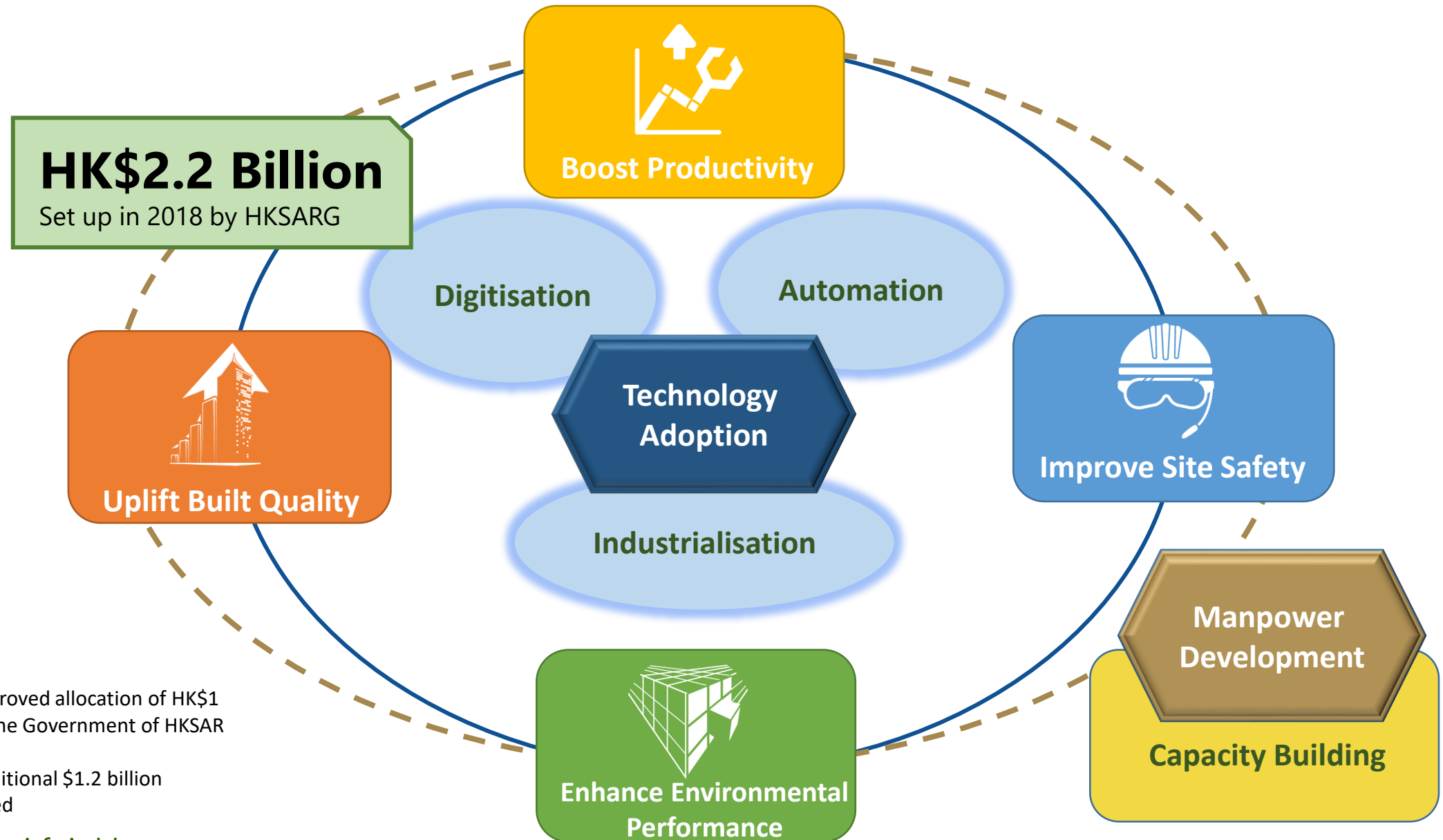


CONSTRUCTION INDUSTRY COUNCIL  
建造業議會

# Construction Innovation and Technology Fund (CITF) Briefing

February 2024

# Construction Innovation and Technology Fund (CITF) Objectives



Remarks :

- 2018: approved allocation of HK\$1 billion by the Government of HKSAR

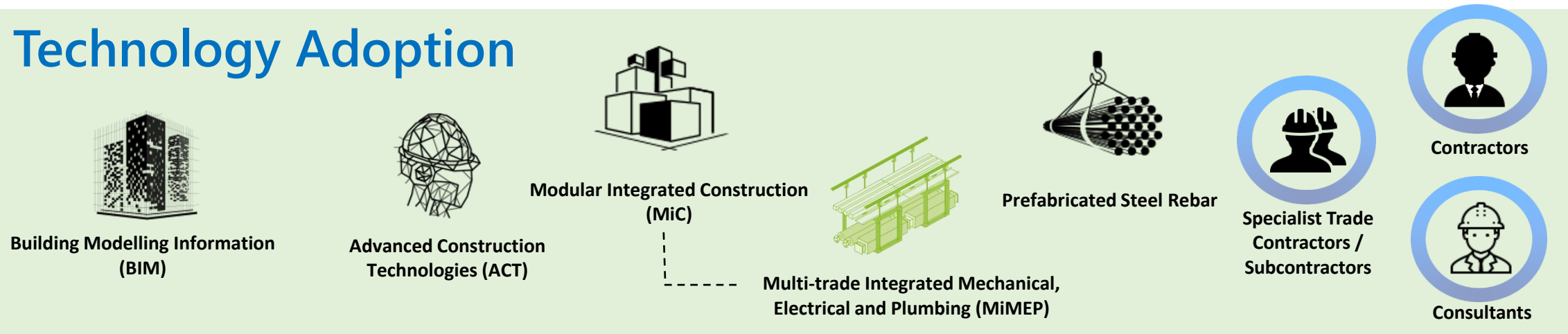
- 2022: Additional \$1.2 billion was injected



[www.citf.cic.hk](http://www.citf.cic.hk)

# CITF Funding Scope

## Technology Adoption



## Manpower Development



## Funding under CITF



For more details, please visit CITF website [www.citf.cic.hk](http://www.citf.cic.hk)

### Technology Adoption

Promoting  
productivity

Uplifting built  
quality

Improving site  
safety

Enhancing  
environmental  
performance

**BIM**  
**HK\$6M per Company**

**Advanced Construction Technologies (ACT)**  
**HK\$6M per Company**

HK\$1.5M per Technology  
(\$2M per Safety-related Technology)

**HK\$1.5M solely for SSSS products**  
**in private works sites on or after 1 April 2023**

**MiC up to**  
**\$17M per Project**

**MiMEP up to**  
**\$3.5M per Project**

**Prefabricated Steel Rebar**  
**\$5M per Project**

**Overall: HK\$7.5M per Company**

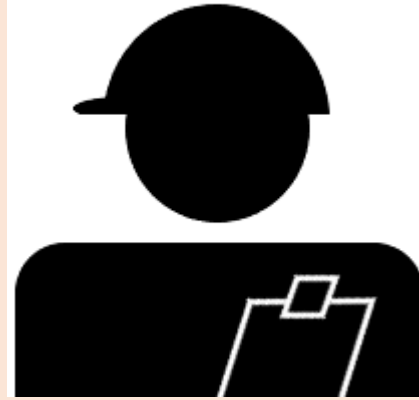


# Technology Adoption – Eligible Applicants



## Levy-paying Contractors

Paid levy to the CIC in the 24 months preceding the time of application



## Registered Specialist Trade Contractors and Subcontractors

Registered with the CIC and hold a valid registration at the time of application



## Consultants

on any one of the specific lists maintained by the Government and professional bodies

Remarks :

**“Related corporates”** refer to corporates with different business registrations, yet with one common shareholder with 30% or above shares. They will be viewed as one overall corporate, when determining funding cap.



# CITF update





# Subsidy for adoption of SSSS

New



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From 1 April 2023,  
additional HK\$1.5M  
funding  
exclusively for SSSS  
products

資助業界使用  
安全智慧工地系統  
每位申請者最高 **\$750萬!**  
Max. **\$7.5M** funding per applicant for  
SSSS adoption!

CITF Application Framework (NEW)

CITF Smart Site Safety Leaflet

Smart Site Safety S

Up to **55** pre-approved  
SSSS products for  
selection

APPLY  
NOW



# Rental Support of ACT

新



發展局  
Development Bureau



CONSTRUCTION  
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## 提升創新建築科技產品租賃 推動先進科技應用

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



租賃期由6個月延長至**12個月**

Maximum Rental Period Extended from 6 to **12 months**



每位申請者每項科技資助上限由港幣30萬提升至**港幣100萬**

Increased Rental Fund Ceiling from HK\$300,000 to **HK\$1,000,000** Per-technology and Per Applicant

生效日期：2023年9月1日  
Effective from : 1 September 2023

Application Framework (New)

Guide to Application (New)

Rental fund ceiling raised  
from HK\$0.3M to  
**HK\$1M** per technology

From 1 Sep  
2023, max. rental  
period extended  
from 6 to **12**  
months

Now





# Removing BIM fund ceiling



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## 放寬建築信息模擬資助上限 鼓勵靈活分配資金更廣泛培訓及應用

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

每間公司的**建築信息模擬**培訓及應用資助上限

由港幣150萬大幅提升至**港幣600萬**

Per-company **BIM** Funding Ceiling increased from HK\$1,500,000 to **HK\$6,000,000**

(受限於港幣750萬 創新建築科技和建築信息模擬合併上限)

Subject to the HK\$7,500,000 per-company combined funding ceiling for BIM and Advanced Construction Technology)

生效日期：2023年9月1日  
Effective from : 1 September 2023

Application Framework (New)

Guide to Application (New)

Removing BIM  
funding ceiling  
from 1 Sep 2023

BIM funding ceiling  
increased from HK\$1.5M  
to HK\$6M per company





# MiC Enhancement



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## 「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

Enhanced funding support for Modular Integrated Construction (MiC) Encourage New Innovative High-rise MiC Projects



**顧問**在推行「組裝合成」建築法項目時產生的額外費用，  
資助上限由港幣400萬元提升至**港幣500萬至750萬\***

**Consultant** additional costs incurred by Project Consultant for MiC adoption, per-project  
Fund Ceiling Increased from HK\$4,000,000 to **HK\$5,000,000 to HK\$7,500,000\***  
(\*視乎樓層高度 Depending on building height)

創新設計、智慧方法及行內良好作業可獲每個工程項目最多**額外港幣100萬**資助

**Additional HK\$1,000,000** to encourage innovative design, smart approaches and best practice

\*截標日期為2023年10月1日或之後，由建築署或香港房屋委員會負責的「組裝合成」建築法項目將不獲基金資助。  
MiC project undertaken by the Architectural Services Department (ArchSD) or the Hong Kong Housing Authority (HKHA) with tender closing date on or after 1 October 2023 will not be subsidised.

生效日期: 2023年10月1日  
Effective from : 1 October 2023

Application Framework (New)

Guide to Application (New)

Fund ceiling for  
additional cost  
incurred by  
consultant increased  
to **HK\$5M to 7.5M**

**Additional HK\$1M to  
encourage innovative  
design, smart approaches  
and best practice**





# MiC Enhancement



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## 「組裝合成」建築法優化措施 鼓勵創新高層「組裝合成」建築法

Enhanced funding support for Modular Integrated Construction (MiC) Encourage New Innovative High-rise MiC



包括註冊專門行業承造商及分包商  
Including Registered Specialist Trade  
Contractors & Subcontractors

**承建商** 購買/租用「組裝合成」建築法指定建造設備，  
每個工程項目資助上限由港幣250萬元提升至 **港幣350萬**

**Contractor** purchase / rental of MiC specific construction plant,  
increase fund ceiling from HK\$2,500,000 to **HK\$3,500,000** per project

安全相關吊運方案可獲 **額外** 每個工程項目最多 **港幣100萬** 資助

**Additional** maximum **HK\$1,000,000** per project subsidy for safety-related measures in lifting process

\*截標日期為2023年10月1日或之後，由建築署或香港房屋委員會負責的「組裝合成」建築法項目將不獲基金資助。  
MiC project undertaken by the Architectural Services Department (ArchSD) or the Hong Kong Housing Authority (HKHA) with tender closing date on or after 1 October 2023 will not be subsidised.

生效日期: 2023年10月1日  
Effective from: 1 October 2023

Application Framework (New)

Guide to Application (New)

Contractor purchase /  
rental of MiC specific  
construction plant,  
increase fund ceiling  
from HK\$2.5M to  
**HK\$3.5M**

Additional Max. **HK\$1M**  
per project subsidy for  
safety-related measures  
in lifting process



# Product Price Ceiling Mechanism

## 創新建築科技產品

Advanced Construction Technology (ACT)

## 價格上限機制

Product Price Ceiling Mechanism

生效日期: 2023年8月1日  
Effective from: 1 August 2023

✓ 提高透明度與確定性  
More Transparency and Certainty

✓ 簡化申請流程  
Simplified Processing Procedures



1 開設戶口  
Create an Account



2 上傳申請表及所有所需文件  
Upload Application Form &  
All Required Documents



3 議會審批申請  
Vet Application by CIC



4 通知申請結果及發放基金  
Notify Application Result &  
Fund Disbursement





# CITF official site



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## The CITF covers two aspects

### Technology Adoption

- Building Information Modelling (BIM)
- Modular Integrated Construction (MiC)
- Advanced Construction Technologies (ACT)
- Prefabricated Steel Rebar (STB)

Learn More

### Manpower Development

- Non-local Enrichment Courses for Students
- Non-local Training / Visits for Practitioners
- International Conferences in Hong Kong
- Local Collaborative Courses



# Price Ceiling Mechanism – Select products on Pre-Approved Lists

Home > Pre-Approved Lists

BIM Software

Q Search Search

All Search

BIM Training Course

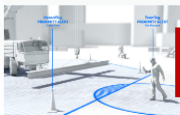

Q Search Search

All Search

Technologies

Q Search Search

All Search

Type of Technology	Product Type	Code	Distribution Channel	Product Descriptions	Reference Photo	Approved Product Price [HK\$]##
Sensors and IoT	Safety Monitoring System	PA22-048	PLINX www.PLINX.io	<b>PLINX</b> PLINX is a worker movement monitoring system with an online platform and helmet-mounted sensors designed to restrict access to zones based on role and purpose to areas with a high potential of danger such as lifting and plant movement zones. Instant alert would be sent to supervisors via SMS and email.  Legend 15. Safety-related Technologies Smart Site Safety System (SSSS)		<a href="#">PDF download</a>
Digitalisation	Asset Management Software	PA22-046	Hong Kong Telecommunications (HKT) Limited Tel : 2883 6577	<b>Plant Activity Monitoring System</b> This product is a plant activity monitoring system that reports the real-time locations and utilisation data of construction plants on the online platform. Reports on the plants' activity can be generated for analysis.  Legend 14. Locally developed innovations or products Legend 15. Safety-related Technologies Smart Site Safety System (SSSS)		<a href="#">PDF download</a>




1. Choose Pre-Approved Lists

2. Search by target product or category

3. Download the PDF for product details and price



# Price Ceiling Mechanism - Product details and Price

Sensors and IoT	Noise, Dust and Vibration Monitoring System	PA19-044	Novox Limited Tel: 2690 9881	<p>iSmartBuild Monitoring System aims at providing cost-effective real-time noise, dust and vibration monitoring platform. It minimises the manpower and boosts the capability of professional environment monitoring works during construction period and under required situation. Moreover, warnings in the form of SMS / email alert can be instantly issued according to user-configured safety thresholds.</p> <p>Function Code*: SiM-A Site Environment Condition Monitoring</p>  <p>PDF download</p>
Sensors and IoT	Safety Monitoring System	PA19-031	Beinventor Limited Tel: 9767 2952	<p><b>Dasloop IoT Smart Helmet with Cloud Based Management Platform</b> This system could track and locate workers in both outdoor and indoor environment. Information can be visualised in 3D BIM model in the cloud based management platform. Real-time monitoring could improve the efficiency in site supervision and management. The heartbeat rate and body temperature sensors could provide instant alert through SMS if abnormal readings are detected. The accelerometer sensor could detect accidental fall and motionless conditions so that quick actions could be taken. Users could also press the panic button to call for help in emergency. Collision warning could also be given to workers to minimise injuries.</p> <p>Legend 14: Locally developed innovations or products Legend 15: Safety-related Technologies Smart Site Safety System (SSSS)</p> <p>Function Code*: SoM-A PPE Checking; SoM-B Well-being Monitoring; SoM-C Workers' Behaviour Monitoring; SoM-D Hazardous Area Zoning/ Access Control</p> <p>Video</p>  <p>PDF download</p>
Sensors and IoT	Vibration and Tilting Monitoring System	PA19-006	Global Sensing Solutions Ltd. Tel: 9087 1215	<p><b>GSS wireless sensors</b> GSS 3G and Vibration Sensor (3GV), GSS Wireless Mesh Dongle (WMD), GSS Wireless Mesh Manager with 3G Gateway (WMM3G), GSS Wireless Tilt &amp; Vibration Sensor (TGV) GSS wireless sensors offer a complete vibration and/or tilting monitoring solution that has been designed to deploy on construction and blast sites. It can reduce labour cost, save time and cost on installation and maintenance, ensure staff safety and provide real-time alerts.</p>  <p>PDF download</p>

PA19-031 Dasloop IoT Smart Helmet with Cloud Based Management Platform					
Item	Description	Approved product price (price per unit unless specified)			
1	Dasloop standard model	HKD 1850/pc			
2	8-slot charger for 18650 Li-ion battery	HKD 450/pc			
3	Indoor positioning beacons	HKD 570/pc			
4	Dasloop Video - MOQ	HKD 8800/pc			
5	Indoor positioning system with 2D/3D model setup- standard	HKD 41100			
6	Accessory - flash light	HKD 190/pc			
7	Accessory - Panic Button	HKD 294/pc			
8	Accessory - WiFi Module	HKD 550/pc			
9	Helmet: Subscription fee for management portal per month	HKD 3900			
10	Project setup and technical support (one project) Training of staff to use the	HKD 31500			
11	<p>Ongoing full maintenance</p> <p>a. Adjust indoor positioning modules in 3D model</p> <p>b. Project setup adjustment</p> <p>c. Quarterly on site inspection and maintenance of devices per month</p> <p>1 year Extended warranty for existing helmets (20 helmets with light, Wifi module and panic button, charger and beacon)</p>	12	\$3,000	\$36,000	Refer to description
16					
17		1	\$6,345	\$6,345	
12	<p><b>Servicing of smart helmets</b></p> <p>9 Retrofit to new helmets after 24mo</p> <p>10 Mid-term revamp</p> <p>Subscription fee for Dasloop smart helmet per month per device. Include: 1. Use of management portal 2. Maintenance 3. PA system 4. Warranty 5. Project setup Qty: 20-49 :\$280 per month per helmet Qty: 50-99 :\$230 per month per helmet Qty: &gt; 100 :\$200 per month per helmet Remark: Subscription to be subscribed 12 months and thereafter in multiple of 12 months.</p> <p>Subscription fee for Dasloop Video per month per device. \$645 per month per device</p> <p>Remark: 1. Subscription to be subscribed 12 months and thereafter in multiple of 12 months. 2. 4G SIM and WiFi are not included</p> <p><b>API consultant and support service</b></p> <p>Smart Helmet Dasloop and Dastrack API consultant 1. Details describing the smart helmet and Dastrack full function on application level. 2. Provide API documentation and respond to enquiry regarding: - Helmet real time location information - worker information, e.g. body temperature, heart rate.... - Dastrack information: e.g. plant location, tag ID, alert.... 3. Support API update</p>	0	\$700	\$0	Refer to description
		0	\$280	\$0	
		24	\$5,600	\$134,400	
		0	\$645	\$0	
		0	\$80,000	\$0	





# Optional Earlier Disbursement Arrangement

## ACT & BIM Adoption

New

新增 NEW

### 提前撥款安排的選項

Optional Earlier Disbursement Arrangement

適用於 **創新建築科技** 及 **建築信息模擬應用** (建築信息模擬軟件及電腦) 及於**2022年11月1日**或之後遞交的撥款申請

Applicable to **ACT & BIM Adoption** (Software and Hardware) and Disbursement Request submitted on or after **1 November 2022**





# Optional Earlier Disbursement (Suitable for ACT and BIM adoption)

New

	Original Arrangement	Earlier Funding Disbursement
First Disbursement Application	<p>Apply can apply the first disbursement <b>after product delivery</b></p> <ul style="list-style-type: none"> <li>Required supporting documents including purchase order(s), invoice(s), delivery note(s), payment receipt(s) and bank transfer record(s).</li> <li>The first disbursement is capped at 80% of the approved grant.</li> </ul>	<p>Applicants can apply for earlier disbursement <b>before delivery</b> on satisfaction of 2 criteria:</p> <ol style="list-style-type: none"> <li>Product delivery time (either pledged or actual) takes longer than <b>2 months</b>; and</li> <li>Payment to vendor in one <b>single</b> bank transaction exceeds <b>HK\$100,000</b>.</li> <li>The sum of the earlier disbursement is capped at 80% of the approved grant.</li> </ol>
Final Disbursement Application	<p>Applicant can initiate the final disbursement request 12 months after the date of the first disbursement</p> <ul style="list-style-type: none"> <li>Fill in the Final Disbursement Form in the Application Portal with photos/ short video (within 1 mins) and questionnaire</li> <li>Audited Financial Report (where the fund grant for each application exceeds HK\$500,000)</li> </ul>	



New

# Optional Earlier Disbursement

Example: Product price: \$1,000,000

Grant amount: \$700,000

Applicant paid to vendor	Payment by applicant	Funding by CITF	Accumulcated grant by CITF	Remarks
1st payment (before delivery)	\$500,000	\$350,000	\$350,000	Disbursement amount = 70% of payment by applicant
2nd payment (before delivery)	\$200,000	\$140,000	\$490,000	Disbursement amount = 70% of payment by applicant
3rd payment (before delivery)	\$50,000	N/A	\$490,000	Not applicable as payment to vendor in one single bank transaction less than HK\$100,000
Final Payment (after delivery)	\$250,000	\$70,000	\$560,000	Accumulcated Disbursement = 80% of approved grant
N/A	N/A	\$140,000	\$700,000	Final disbursement after 12 months = 20% of approved grant
Total	\$1,000,000	\$700,000		



The examples listed above are for reference only. For detailed funding procedures and arrangements, please refer to the CITF Guide to Application.

# Simplified Final Disbursement Procedure

New



## Simplified Final report requirement :

1. Multiple-choice questionnaire
2. Photos (**3-5 pictures** from different angle as required) OR video (**within 1 minute**) to demonstrate user experience
3. Questionnaire and photos/video can be submitted within 12 months from the first disbursement request upon completion of the adoption period of **at least 3 months** to speed up the procedure.



# Funding Scope






# Building Information Modelling (BIM)



# BIM

	BIM Training – Classroom Type	BIM Experimental & Application
<b>Funding Mode</b>	Cash rebate / co-fund 70%	Co-fund 70%
<b>Funding Ceiling</b>	<ul style="list-style-type: none"> <li>• <b>HK\$6M</b>, no per-item Ceiling</li> <li>• Cash rebate \$3,000/ course or co-fund 70%, whichever is the higher</li> <li>• Capped at HK\$15,000/ person</li> </ul> <p><b>**Additional 15% subsidy</b> for CCBC/CCBM course fee upon obtainment of CCBC/ CCBM certification within 1 year from the course completion date (NOT subject to the HK\$15,000 per-person ceiling)</p>	<ul style="list-style-type: none"> <li>• Max. HK\$200,000 for experimental</li> <li>• Max. HK\$21,000/ computer</li> <li>• Computers subsidised by CITF are required to have CITF-funded BIM software installed and be used for this purpose</li> </ul>



# BIM Training – Classroom Type



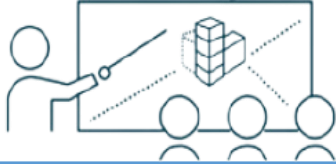
## BIM Training – Classroom Type

### Other Requirements

- Eligible applicants wishing to enroll non-Hong Kong permanent residents for Classroom-bound BIM training are also entitled to the CITF funding on their joint written declaration with the training participant(s) on compliance with the following conditions
  - The participating employee shall be a holder of Hong Kong Identity Card with the legal rights to reside in Hong Kong for the purpose of employment; and
  - The participating employee will be working for the applicant of the concerned approved funding application for at least one year upon completion of the approved BIM training in at least one local construction project with genuine needs to use BIM in participant's job including:
    - Participating employee's job duty shall involve the use of BIM (e.g. view project or building drawing/ submission, involved in BIM coordination/ design/ management/execution of construction projects); and
    - Substantial working hours of participating employee shall be spent in the office in Hong Kong as reasonably conferred from the supporting documents enclosed with the disbursement request.



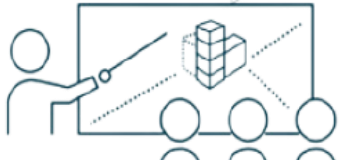
# BIM Training – Project-based Coaching

	Project-based Coaching
<b>Funding Mode</b>	70% co-fund
<b>Funding Ceiling</b>	<ul style="list-style-type: none"><li>• HK\$200,000 / applicant</li></ul>
<b>Other requirements</b>	<ul style="list-style-type: none"><li>• Engagement of BIM professionals/ consultants for project-specific coaching</li><li>• Classroom-bound Mode Training is not supported under this category</li><li>• Project(s) under application shall demonstrate genuine need for BIM adoption</li><li>• Applications must be supported by undertaking with BIM trainer's signature confirming that his/her service would only be confined to providing BIM training for the project team but not carrying out the BIM work of the project direct</li><li>• Project-based coaching shall be delivered throughout the project cycle</li></ul>





# BIM Viewer Collaborative Training


	BIM Viewer Collaborative Training
<b>Funding Mode</b>	70% matching fund
<b>Funding Ceiling</b>	HK\$8,000 for trainer fees and class administration; and HK\$5,000 for rental of external training venue per session per class
<b>Other requirements</b>	<ul style="list-style-type: none"> <li>• Qualified trainers shall have either:               <ul style="list-style-type: none"> <li>i) completed CIC Accredited BIM Manager/ BIM Coordinator courses; or</li> <li>ii) registered as CIC Certified BIM Managers/ BIM Coordinators</li> </ul> </li> <li>• A fixed lump-sum subsidy of HK\$4,000 shall apply for a 4-hour BIM Viewer Collaborative Training by in-house instructors adopting CIC' s BIM Viewer Teaching and Learning Kit for not less than 12 numbers of trainees including the administration fee.</li> <li>• Applicants shall justify there is no appropriate in-house venue for training purposes.</li> </ul>



# Advanced Construction Technologies (ACT)



# Advanced Construction Technologies (ACT)

	<b>Project Application</b>
Funding mode	<ul style="list-style-type: none"><li>• 70% matching fund for project adoption</li><li>• 50% matching fund for rental</li></ul>
Funding Ceiling	<p>HK\$6M per applicant</p> <ul style="list-style-type: none"><li>• <b>Project adoption:</b> \$1.5M/ technology \$2M/ safety-related technology</li><li>• <b>Rental:</b> HK\$1M per applicant Maximum period: 12 months</li></ul>

Remarks:

80% matching fund for locally developed innovations or products; 50% matching fund for “traditional plants incorporated with built-in innovative elements inseparable from the plants the cost of which does not account for a substantial portion of the cost of the plants



# Advanced Construction Technologies (ACT)



## Pioneering Application in Hong Kong

Eligible applicants	<ul style="list-style-type: none"><li>Contractors, Registered Specialist Trade Contractors and Subcontractors, Consultants or Trade Associations</li></ul>
Project Partners	<ul style="list-style-type: none"><li>tertiary educational institutions</li><li>local research institutes</li></ul>
Objectives	<ul style="list-style-type: none"><li>bringing in emerging technologies which have good potential for wider benefits of the local construction industry</li></ul>
Technical requirements	<ul style="list-style-type: none"><li>A proven technology outside Hong Kong which is newly adopted for on-site application in Hong Kong (e.g. 3D printing), or;</li><li>Modification, combination or enhancement of technologies already exist in Hong Kong but put to a new functional use (e.g. to modify/enhance existing plant/equipment for on-site use in conjunction with AI/sensor technology to enhance site safety).</li></ul>
Project requirements	<ul style="list-style-type: none"><li>The applicant has the flexibility to adopt the technology under application in more than one project with a view to enabling more thorough trial of the technology under different scenarios.</li></ul>



# Advanced Construction Technologies (ACT)



## Pioneering Application in Hong Kong

### Funding scope

- The CITF supports the overall costs incidental to introducing/modifying the technolog(ies) concerned for experiential use in Hong Kong, including the costs involved in:
  - machine procurement and delivery
  - hardware and software modification
  - adaptation for a new functional use in Hong Kong's built environment
  - related material, manpower development and training, etc.

### Funding mode

- 70% matching ratio generally

### Funding ceiling

- **Per-application cap of \$10M**

A higher cap will be considered on a case-by-case basis if the merits of an individual application so justify (e.g. substantial benefits to the industry at large, etc.).





# Advanced Construction Technologies (ACT)




## Pioneering Application in Hong Kong

### Other requirements

- Possible options of benefit/experience sharing include:
  - (i) sharing or transfer of intellectual property (IP) rights with other industry stakeholders, e.g. solutions providers, training institutes, universities, R&D centers, etc.;
  - (ii) allowing open, transparent and non-exhaustive rights of use of the funded technology; or
  - (iii) other IP/benefit sharing arrangement as required by the CIC having regard to the merits of the individual case.



# Advanced Construction Technologies (ACT)

	Pioneering Application in Hong Kong
Application requirements	<ol style="list-style-type: none"><li>1. initial idea of the proposal</li><li>2. detailed proposal</li></ol> <p>(for presentation to the Construction Industry Council (CIC))</p>
Evaluation base	<p>Applications will be evaluated against its</p> <ul style="list-style-type: none"><li>(i) innovation (i.e. whether the technology/functional use is new to Hong Kong); and</li><li>(ii) replicability (i.e. whether the technology/functional use could be extended for industry-wide application for the benefit of the industry at large).</li></ul>



# Advanced Construction Technologies (ACT)

## Smart Site Safety System (SSSS)



# Smart Site Safety System (SSSS)

Feb 2023, Development Bureau – Smart Site Safety System (SSSS)

香港特別行政區政府  
The Government of the Hong Kong Special Administrative Region

政府總部  
發展局  
工務科

香港添馬添美道2號  
政府總部西翼18樓



Works Branch  
Development Bureau  
Government Secretariat

18/F, West Wing,  
Central Government Offices,  
2 Tim Mei Avenue, Tamar,  
Hong Kong

Ref. : DEVB(W) 516/80/01

Group : 2, 8

27 February 2023

Development Bureau  
Technical Circular (Works) No. 3/2023

Smart Site Safety System

## Scope

This Circular sets out the policy on adoption of Smart Site Safety System (“SSSS”) to enhance our safety management system, with a view to striving for further excellence on the safety performance in public works contracts.

5. SSSS generally comprises the following three components –

- (a) smart safety devices for monitoring high-risk construction activities and identifying safety hazards;
- (b) a communication network for transmission of data collected from smart devices; and
- (c) a centralized management platform<sup>1</sup> for providing a one-stop hub for data analysis and alerts generation, as well as facilitating follow-up actions with potential hazards and abnormalities identified.

## Policy

7. All capital works contracts with an estimated contract sum exceeding \$30 million to be tendered on or after the date of this Circular shall adopt SSSS. For capital works contracts with an estimated contract sum exceeding \$30 million and with tenders invited before the date of this Circular, SSSS shall also be adopted. For existing capital works contracts with a contract sum exceeding \$30 million, the project teams, with advice

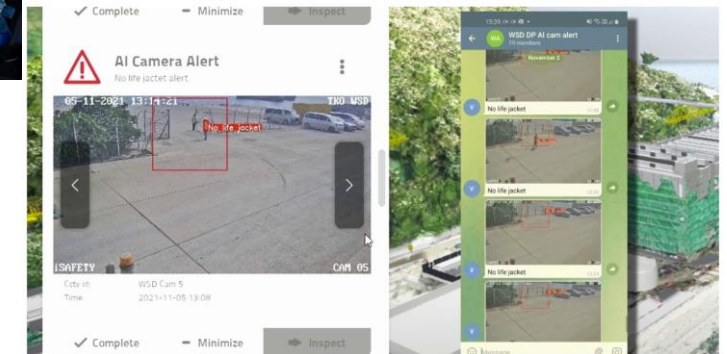


# Smart Site Safety System (SSSS)

The Government attaches great importance to site safety which regularly review the safety management system of public works and adopt a multi-pronged approach by implementing measures on various fronts with a view to uplifting site safety performance.

Development Bureau (DEVB) has launched the SSSS in individual public works contracts since 2020. The pilot implementation running in eight public works contracts with different nature, showed significant results in improving construction site safety.

The DEVB press ahead that the SSSS must be adopted in public works contracts with contract sum exceeding \$30 million starting early 2023. As for private construction sites, starting from April 2023, the Construction Industry Innovation and Technology Fund (CITF) established in 2018 provides an additional subsidy of HK\$1.5 million to each company to encourage the industry to apply the SSSS to enhance construction site safety.





# Smart Site Safety System (SSSS)

CITF provides an additional subsidy of HK\$1.5M to support SSSS starting from April 2023

**SSSS is a category under Advanced Technology (ACT)**

**Funding Ceiling:** HK\$6M --> **HK\$7.5 M**  
(ACT & BIM combined ceiling per applicant)

- HK\$1.5M funding exclusively for SSSS products in private sites from April 2023
- Even if the total approved funding amount for SSSS applicants has reached HK\$1.5 million, applicants can continue to apply for funding for SSSS products and specify the remaining combined funding caps and per-technology caps using ACT and BIM



II. Advanced Construction Technology

1) General Adoption / Rental of Advanced Construction Technology

Advanced Construction Technology

Technology type:

- ☐ Automation and robotics ☐ Advanced tools and eq  
☒ Smart Site Safety System ☐ Advanced constructic



# Smart Site Safety System (SSSS)

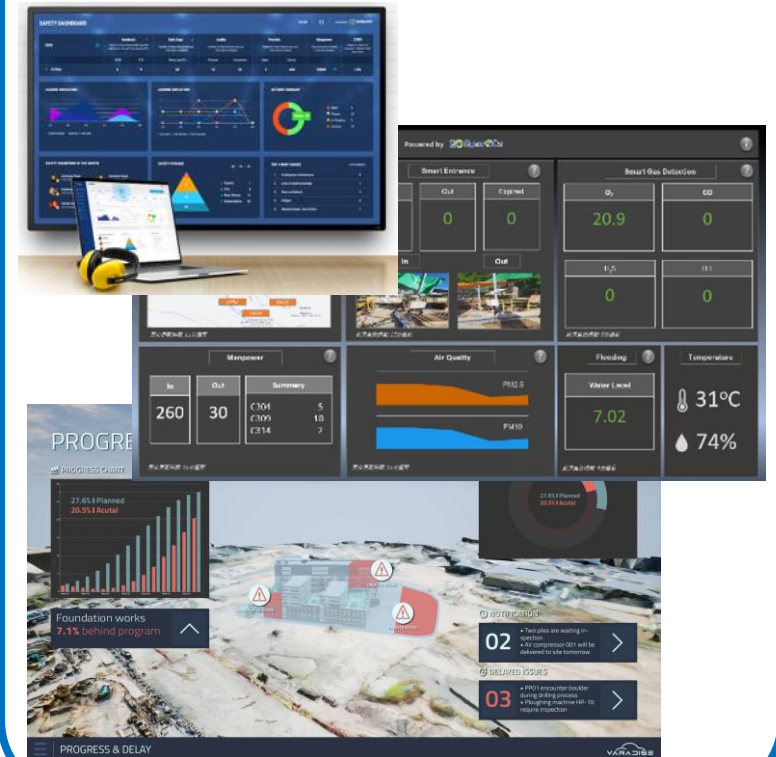
## Safety device



## Communication network



## Centralised management platform



Remarks : Example for reference only

# Smart Site Safety System (SSSS)

## 安全智慧工地系統10個主要類別 10 Main Categories of SSSS Products :

### 1 中央管理平台

Centralised Management Platform

### 2

數碼化追蹤系統 (工地機械, 電動工具及梯架)

Digitised tracking system for site plants, powered tools and ladders

### 3

工作許可系統 (高風險工作)

Digitalised permit-to-work system for high risk activities

### 4

危險區域進入控制 (電子鎖系統)

Hazardous areas access control by electronic lock and key system

### 5

危險區域中移動設備操作的不安全行為/危險情況警報

Unsafe acts / dangerous situation alert for mobile plant operation danger zone

### 6

天秤區域中的不安全行為/危險情況警報

Unsafe acts / dangerous situation alert for tower crane lifting zone

### 7

前線工人智能監控設備

Smart monitoring devices for workers and frontline site personnel

### 8

人工智能安全監察系統

Safety Monitoring System using Artificial Intelligence

### 9

密閉空間監控系統

Confined Space Monitoring System

### 10

虛擬現實技術的安全培訓

Safety Training with Virtual Reality Technology

### 適用於不同類型建築工地的安全智慧工地系統組合

#### Possible SSSS Packages on Different Types of Construction Sites

下表僅供業界參考，具體建築工地適用的安全智慧工地系統產品種類需視乎具體工程性質而定。

The below table is for industry's reference only. The types of SSSS products applicable to a specific construction site shall be determined on a case-by-case basis having regard to its specific works nature.

工地類型 Nature of Sites	1	2	3	4	5	6	7	8	9	10
• 樓宇工程 Building works	✓	✓	✓	✓	✓	✓	✓	✓		✓

#### 預先批核名單編號及產品名稱 PA Code & Product Name

##### PA18-007

興建中的隧道人流管理系統  
Construction Stage Tunnel Access  
Control System (TACS)



##### PA18-032

視覺智能安全符合監測系統  
Visual Intelligence Safety Compliance  
Monitor (VISCMon) system



	1	2	3	4	5	6	7	8	9	10
PA18-007							✓		✓	
PA18-032								✓		

### 安全智慧工地小冊子

[CITF Smart Site Safety System \(SSSS\) Leaflet](#)



**Note: Examples for Reference only.** Please refer to announcement in the CITF Website

# Modular Integrated Construction (MiC)





# Modular Integrated Construction (MiC)

## Contract Awarded on or after 1 October 2023

Fund Ceiling	HK\$17M/ project	
Applicant	Project Consultant	Contractor (including Registered Specialist Trade Contractors and Registered Subcontractors)
Stage	Project Design Stage	Project Construction Stage
Funding scope and ceiling	<p>Additional costs incurred by Project Consultant in implementing the MiC Project</p> <p><b>HK\$5M</b> or 15% of the fee, whichever is the lesser (for 6 to 15 storeys)</p> <p><b>HK\$7.5M</b> or 15% of the fee, whichever is the lesser (for 16 to 30 storeys)</p> <p><b>HK\$7.5M</b> or 30% of the fee, whichever is the lesser (for 31 storeys or above)</p> <p>*Additional <b>HK\$1M</b> to encourage innovative design, smart approaches and best practice</p>	<p>Purchase or rental MiC specific construction plant:</p> <p><b>HK\$2.5M</b> (for 6 to 15 storeys)</p> <p><b>HK\$3.5M</b> (for more than 15 storeys)</p> <p>* <b>Additional maximum HK\$1M</b> subsidy will be provided for safety-related measures incorporated in the process</p> <p>Purchase/ off-site production of MiC modules: <b>HK\$4M</b> cap</p>
Funding mode	Direct subsidy / Project	Co-fund 70% / Project





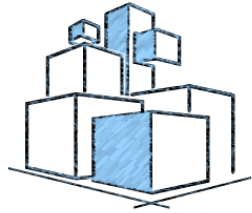
# Modular Integrated Construction (MiC)

## Contract Awarded before 1 October 2023:

Total funding ceiling	HK\$14M/Project			
Applicant	Project Consultant		Contractor (including Registered Specialist Trade Contractors and Registered Subcontractors)	Others
Project Stage	Project Design Stage		Project Construction Stage	-
Funding Scope & Funding Ceiling	Additional costs incurred by Project Consultant in implementing the MiC Project  <b>HK\$4M or 15% of consultancy fee</b> specified in the contract, whichever is the lower	Hire of Specialist MiC Consultant by Project Consultant  <b>HK\$2.5M</b> cap for hiring Specialist MiC Consultant by Project Consultant	Purchase or rental of MiC specific construction plant: <b>HK\$2.5M</b>  Purchase/ offsite production of MiC modules: <b>HK\$5M</b>	Costs incurred by the firm of Authorised Persons (AP), Registered Structural Engineer (RSE) and architectural or engineering consultant for admission to the Buildings Department (BD)'s List of Preaccepted MiC Systems  <i>(only applicable for submissions to BD before 1 October 2023 with relevant funding application submitted within 12 months from the BD approval date)</i>  <b>HK\$1M</b> cap per application, depending on MiC scale and complexity:  <b>6 to 10 storeys: max. HK\$400,000</b>  <b>11 to 29 storeys: max. HK\$600,000</b>  <b>30 storeys or above: HK\$800,000</b>  *An extra subsidy of <b>HK\$200,000</b> to each tier to reward more complex MiC design (e.g. MiC modules contributing to the overall stability of the building against wind load apart from cores/shear walls, etc.)
Funding Mode	Direct subsidy / Project	Co-fund 70% / Project	Co-fund 70% / Project	Direct subsidy/per application [Depending on whether the admission to the Buildings Department (BD)'s List of Pre-accepted MiC Systems is successful or not]



# Modular Integrated Construction (MiC)



## Project Adoption

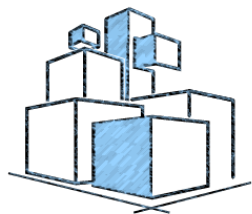
### Other Requirements

- MiC projects with tender invitation date on or after 1 July 2021 shall be a building project with buildings of at least 6 storeys of permanent nature
- Applicant shall submit document proof of approval for commencement of MiC module production/ installation with the funding application





# Modular Integrated Construction (MiC)



## Project Application

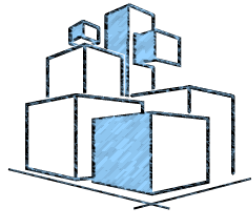
(Additional costs incurred by Project Consultant in implementing the MiC Project )

## Other Requirements

- Applicant shall provide proof such as BD' s consent to commence superstructure works of the MiC building and commencement of MiC modules installation on site for reimbursement purpose
- Applicant shall provide BD' s approval of the General Building Plan and Superstructure Plan of the MiC project together with the funding application
- Applicant shall submit an agreement with all other consultants engaged in the MiC project with respect to the sharing of funding grant with the fund applicant.
- 80% of approved funding upon provision of the proof for commencement of MiC modules installation on site
- 20% of approved funding upon provision of the proof for completion of MiC modules assembly on site
- Eligible MiC projects shall:
  - involve a building with 6 storeys or more;
  - occupy at least 60% of Gross Floor Area of EACH typical floor for MiC adoption;
  - occupy at least 5,000M<sup>2</sup> of Gross Floor Area for MiC adoption, and;
  - have MiC modules installation commenced on site after 1 July 2020



# Modular Integrated Construction (MiC)



## Project Application

(Hire of Specialist MiC Consultant by Project Consultant)

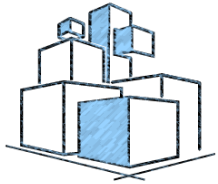
### Other Requirements

- Contracts of MiC projects awarded after 1 October 2023 will not be supported
- Applicant shall provide proof of approval for commencement of MiC module production/ installation for reimbursement purpose
- 80% of approved funding upon provision of the proof of approval for commencement of MiC module production/ installation for reimbursement purpose
- 20% of approved funding upon 12 months after the first instalment
- The additional subsidy to Project Consultant and the subsidy on engaging Specialist MiC consultant are not mutually exclusive
- Retrospective approval for hiring Specialist MiC consultant is allowed. Applicants can engage the Specialist MiC Consultant before submitting the application but which shall be submitted within 12 months from committing the relevant expenditure.





# Modular Integrated Construction (MiC)



## Project Application

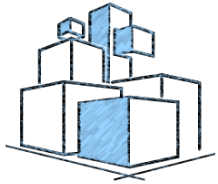
(MiC Specific Construction Plants / MiC Modules )

### Other Requirements

- Applicant shall submit document proof of approval for commencement of MiC module production/ installation with the funding application
- Applicant shall submit a safety audit report on logistics and lifting operation in the MiC project for final reimbursement purpose. Details on the scope of the safety audit are available at the CITF Portal
- 80% of approved funding upon provision of the proof for commencement of MiC modules installation on site
- 20% of approved funding upon provision of the proof for completion of MiC modules assembly on site
- Retrospective approval for procuring or hiring MiC Specific Construction Plant and Modules is allowed. Applicants can engage the supplier of MiC Specific Construction Plant or Modules before submitting the application but which shall be submitted within 12 months from committing the relevant expenditure.



# Modular Integrated Construction (MiC)



## Project Application

(Admitted to the BD's List of Preaccepted MiC Systems )

### 其他要求

- To promote more manufacturers to supply MiC systems, MiC systems provided by manufacturers who already have MiC systems admitted to the BD's List of Preaccepted MiC Systems are not eligible for application
- Applicant shall be the firm of the AP / RSE or the architectural or engineering consultant firm responsible for the submission to BD, but not individuals
- 100% of approved funding upon provision of the proof for successful admission of the MiC system into the BD's Lists of Preaccepted MiC Systems and the proof of the applicant being the firm of AP or RSE or architectural or engineering consultant firm getting the BD's approval



# Multi-trade Integrated Mechanical, Electrical and Plumbing (MiMEP)

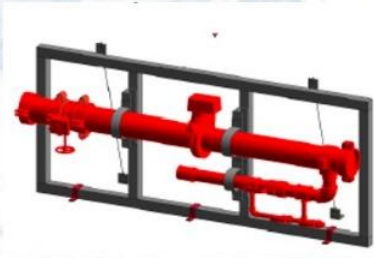
## Offsite prefabrication of MEP works

**Aiming** at higher levels of prefabrication

- module/ unit prefabricated offsite;
- multi-trade integration;
- volumetric;
- on-site assembly through simple plug and play



**Level 1:** Prefab component



**Level 2 :** Single-trade sub-assembly



**Level 3: MiMEP**  
Multi-trade integrated unit;  
prefabricated plant room



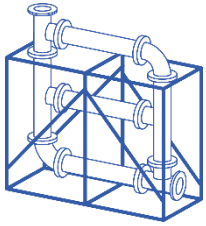
**Level 4: MiMEP (in form of MiC)**  
Free-standing integrated  
plant room module

**Increasing benefits towards higher level of prefabrication**

- Productivity gain on time and quality
- On-site resources saving
- Site safety enhancement



# Definition of MiMEP



Multi-trade Integrated Mechanical, Electrical and Plumbing (MiMEP)

## Definition

MiMEP refers to the integration of multi-trade building services components, into a single volumetric assembly of prefabricated modules, manufactured offsite in a workshop, then transported to the site for connection of modules to complete various trades of building services installations to minimise on-site works.

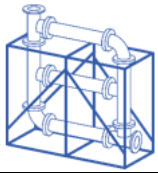
MiMEP can integrate with structural element, architectural builders' works and finishes (ABWF) to form an advanced assembly, such as false ceiling unit and plant room unit to enhance the productivity.

Eligible MiMEP projects shall be:

- a building project of not less than 6 storeys high; or
- any project with MiMEP installation horizontal area and/or vertical area not less than 3,000sqm.







# Multi-trade Integrated Mechanical, Electrical and Plumbing (MiMEP)

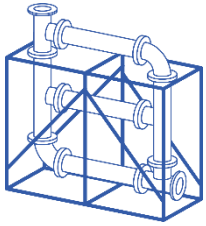
Funding mode: 70% matching fund for costs involved per project

Project stage	Project Design Aspects				Project Construction Aspects
Applicant	Project Consultants		Mechanical, Electrical and Plumbing (MEP) Sub-contractor nominated by the Main Contractor		
Funding Ceiling	HK\$500,000 / Project		HK\$500,000 / Project		HK\$2.5M / Project
Requirements	Production of a complete BIM model up to LOD-G 200 for tendering	60% subsidy	Upgrading the BIM model up to LOD-G 400 for prefabrication	40% subsidy	For rental of offsite MiMEP specific workshops for additional costs incurred for delivery and installation of MiMEP modules
	Incorporate of contractors' intended MiMEP arrangement	40% subsidy	Production of a MiMEP prefabrication plan generated from the BIM model and detailed method statements for on-site installation.	60% subsidy	



Retrospective approval is allowed. Applicant can engage before submitting the application but which shall be submitted within 12 months from committing the relevant expenditure.

## Multi-trade Integrated Mechanical, Electrical and Plumbing (MiMEP)




### MiMEP

#### Other Requirements

- For a project with multiple sections to be implemented under separate contracts, applicants may apply for the subsidy for each section separately if it fulfils the above criteria of an eligible MiMEP project.
- Applicants may apply the CITF on MiC and MiMEP for the same project provided that its MiC and MiMEP modules are not referring to the same modules.
- The MiMEP subsidy shall not consider prevailing existing practices in Hong Kong that elevators, escalators, chillers, generator sets, AHU's, switch boards and the like are mostly prefabricated offsite for delivery to site in modules. Applicants need to demonstrate extra prefab/modular effort over and above the prevailing existing practices to justify the grant of subsidy for MiMEP.
- 80% of approved funding upon provision of the proof for commencement of MiMEP modules installation on site.
- 20% of approved funding upon provision of the proof for completion of MiMEP modules assembly on site.



# Prefabricated Steel Rebar

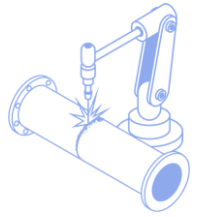
	<b>Project Application</b>
<b>Funding mode</b>	<b>Cash rebate of HK\$300 per tonne</b>
<b>Funding Ceiling</b>	<b>HK\$5,000,000 per project</b>

Remarks:

- Prefabricated steel rebars shall be produced by yards on the Civil Engineering Development Department (CEDD)'s List of Approved Steel Reinforcing Bar Prefabrication Yards
- The percentage by weight of straight rebars without processing (cutting and/or bending) in each delivery shall be less than 25%



# Industrialised Process – Robotic Welding

	<b>Project Application</b>
<b>Funding Mode</b>	<b>15% matching fund for processing fee involved</b>
<b>Funding Ceiling</b>	<b>HK\$800,000 per applicant</b>

Remarks:

- Only prefabricated components manufactured by off-site robotic welding in Hong Kong will be subsidised
- The CITF will subsidise processing fee only
- Applied funding will be weighed against the reference price of the welding products provided by the supplier
- Independent of the HK\$7,500,000 combined funding ceiling for ACT and BIM






# Manpower Development



# Non-local Enrichment Courses for Students

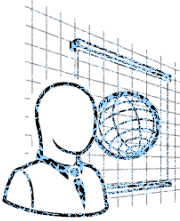
	<p>Target beneficiaries</p> <ul style="list-style-type: none"> <li>Full time <b>sub-degree</b> / undergraduates / postgraduates in construction related disciplines</li> </ul>
Eligible Applicants	Local higher education institutions
Funding Mode	Reimbursement to applicants
Funding Scope	<ul style="list-style-type: none"> <li>Course fees</li> <li>In-town transport and miscellaneous expenses</li> <li>Cross-border transportation and accommodation <b>of reasonable standard</b></li> <li>Administration and Audit fees</li> </ul>
Funding Ceiling	<b>HK\$100,000</b> per student ( <b>cumulative i.e. multiple participations allowed</b> )



Remarks: Only HK permanent residents are eligible for funding supporting for courses or training outside HK




# Non-local Training / Visits for Practitioners

	<b>Target beneficiaries</b> <ul style="list-style-type: none"> <li>• Professionals</li> <li>• Technicians</li> <li>• Registered Skilled Workers</li> </ul>
<b>Eligible Applicants</b>	<ul style="list-style-type: none"> <li>• Local higher education institutions</li> <li>• Professional institutions</li> <li>• Trade associations</li> <li>• Unions</li> </ul>
<b>Funding Mode</b>	Reimbursement to applicants
<b>Funding Scope</b>	<ul style="list-style-type: none"> <li>• Training fees</li> <li>• In-town transport and miscellaneous expenses</li> <li>• <b>Cross-border transportation and accommodation of reasonable standard (50% matching basis)</b></li> <li>• Administration and Audit fees</li> </ul>
<b>Funding Ceiling</b>	<b>HK\$20,000</b> per person per course



Remarks: Only HK permanent residents are eligible for funding supporting for courses or training outside HK

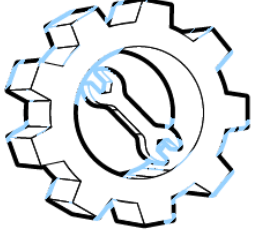
# International Conferences in Hong Kong

	<b>Target beneficiaries</b> <ul style="list-style-type: none"> <li>• Professionals</li> <li>• Technicians</li> <li>• Tertiary students and academic staff</li> <li>• Registered skilled workers</li> </ul>	
Eligible Applicants	<ul style="list-style-type: none"> <li>• Local higher education institutions</li> <li>• Professional institutions</li> <li>• Trade associations</li> <li>• Unions</li> </ul>	
Funding Mode	Reimbursement to applicants	
Funding Scope	<ul style="list-style-type: none"> <li>• Event venue and set up</li> <li>• Additional manpower</li> <li>• Conference collaterals</li> <li>• <b>IT infrastructure</b></li> </ul>	<ul style="list-style-type: none"> <li>• Reasonable Catering</li> <li>• Cross-border transportation and accommodation for speakers</li> <li>• Administration and Audit fees</li> <li>• <b>Agency/Service fees charged by event planner and production houses</b></li> </ul>
Funding Ceiling	<ul style="list-style-type: none"> <li>• <b>HK\$1,000,000</b> per conference</li> </ul>	



Remarks: International Conference delivered / conducted online are supported under the CITF

# Local Collaborative Courses

	<b>Target beneficiaries</b> <ul style="list-style-type: none"> <li>• Professionals</li> <li>• Technicians</li> <li>• Registered Skilled Workers</li> </ul>	<ul style="list-style-type: none"> <li>• Tertiary students</li> <li>• Academic staff</li> </ul>
<b>Eligible Applicants</b>	<ul style="list-style-type: none"> <li>• Local higher education institutions</li> <li>• Professional institutions</li> <li>• Trade associations</li> <li>• Unions</li> <li>• <b>Quasi-governmental &amp; Statutory Organisations</b></li> </ul>	
<b>Funding Mode</b>	Reimbursement to applicants	
<b>Funding Scope</b>	<ul style="list-style-type: none"> <li>• Event venue and set up</li> <li>• Additional manpower</li> <li>• Course material</li> <li>• Procurement and/or rental of hardware and equipment</li> <li>• <b>IT infrastructure</b></li> </ul>	<ul style="list-style-type: none"> <li>• Reasonable Catering</li> <li>• Cross-border transportation and accommodation for speakers</li> <li>• Administration and Audit fees</li> </ul>
<b>Funding Ceiling</b>	<ul style="list-style-type: none"> <li>• <b>HK\$300,000</b> per course</li> </ul>	



Remarks: Local Collaborative Course delivered / conducted online are supported under the CITF



# Application Procedures



# Application Procedures



Create account at CITF online portal via our official website:  
[www.citf.cic.hk](http://www.citf.cic.hk)



Browse our application guide and framework and prepare required documents.



Fill in and submit a fund application form via our online portal



Applications are vetted and approved by our CIC Committee



Applicants are noticed of their application results

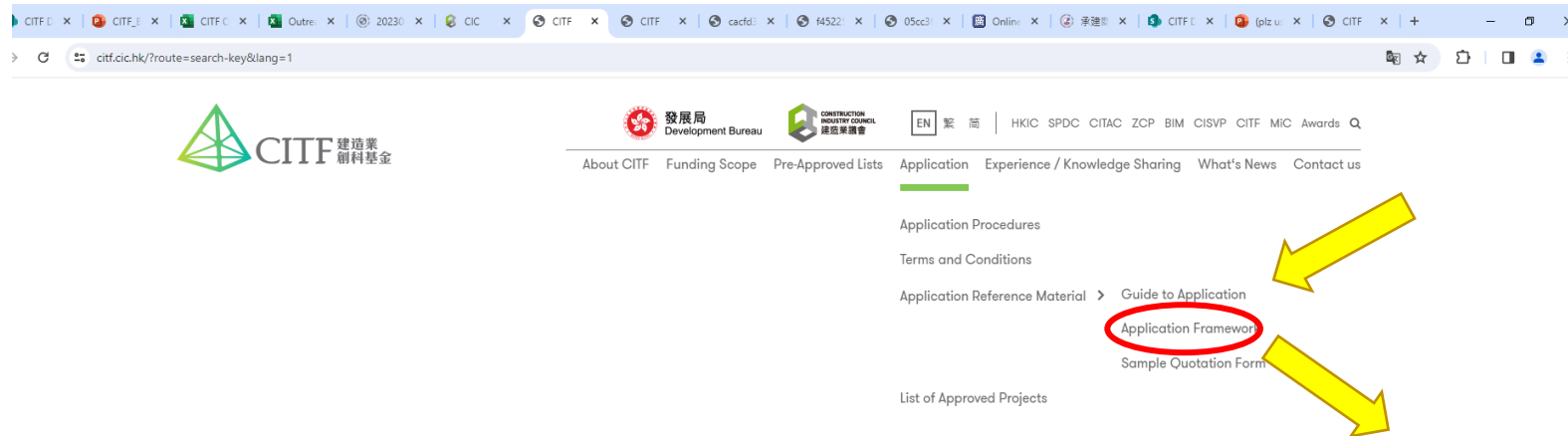


Submit progress reports and distribute funds in accordance with fund requirements

Upon receiving all required information, applications for **non pre-approved products** shall be completed within **60 calendar days**, and within **30 calendar days** for those of **pre-approved products**



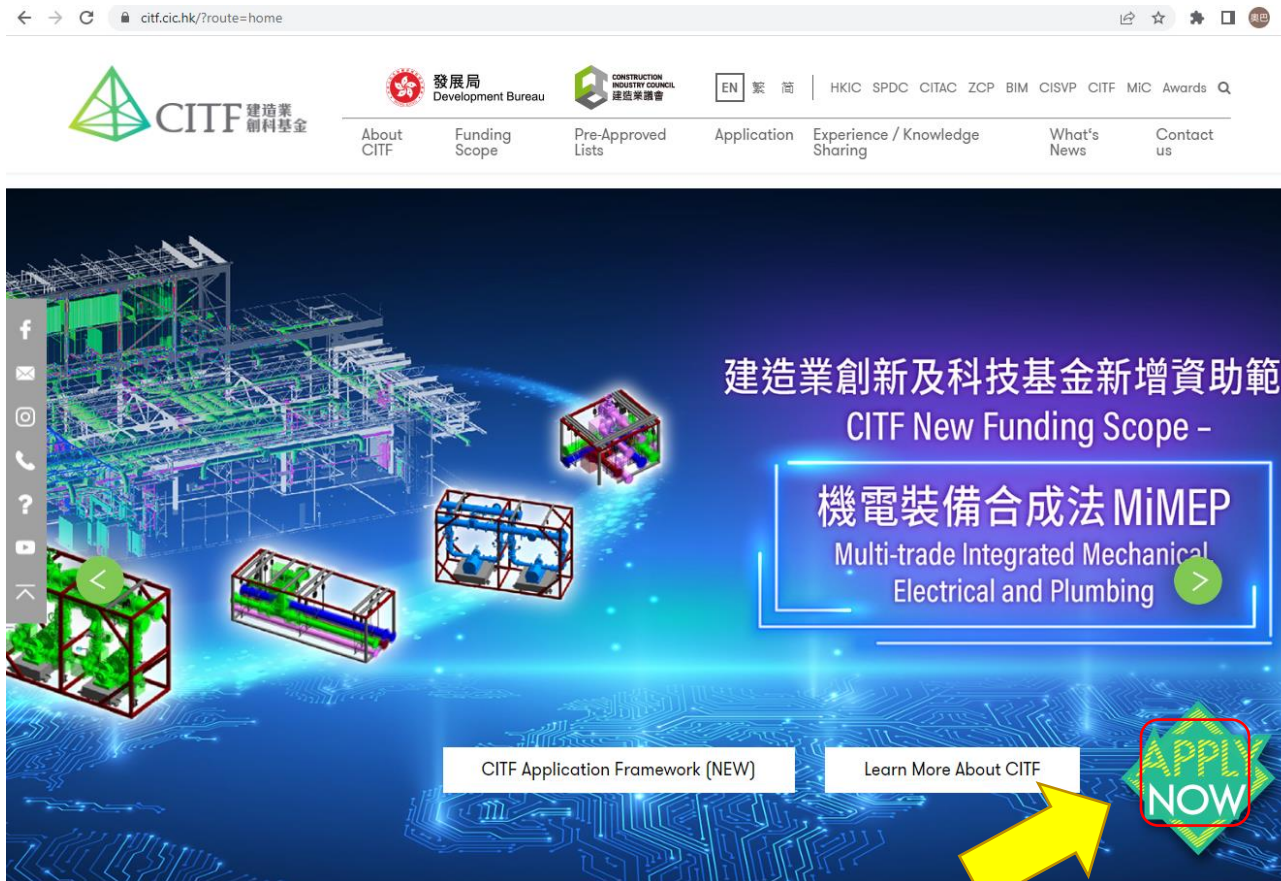
# Review our Application Framework



# How to create an account on CITF online portal

Visit CITF official website:  
[www.citf.cic.hk](http://www.citf.cic.hk)

Every organisation can only  
register for **ONE** account



1



2



# How to apply

## Input required data to create an account

**New User Registration**

Account Name\*

Hint: Must be at least 6 characters long, cannot contain space or special characters

\* Must be at least 6 characters long, cannot contain space or special characters

Email \*

Contact title\*

Contact Name\*

Contact Phone\*

Password\*

Hint: Must be at least 8 characters long, cannot contain space

\* Must be at least 8 characters long, cannot contain space

\* At least 1 capital character (A-Z)

\* At least one number (0-9)

\* At least 1 symbol (e.g. @ + ! @ \$)

Confirm Password\*

Terms of Use

CITF Portal

This agreement ("Agreement") applies as between you, the user of "CITF Portal" ("Application") and Construction Industry Council (CIC), the owner of the Application. Your agreement to comply with and be bound by these terms and conditions is deemed to occur upon clicking the "I Agree" button of this Application immediately following the text of this Agreement. If you do not agree to be bound by these terms and conditions, you should not continue to use the Application.

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Annex A - Download Attendance

Record

1. Business Registration Number
2. Registration Number of the Registered Specialist Trade Contract / Levy-paying Contractor Number (if applicable)
3. Name of Statutory Organization and the ordinance which establishes applicable)
4. Company Information
5. Company Contact Details
6. Management Representative Details
7. Company Bank Account Information
8. Shareholder Details (applicable for all individual shareholders who or more of the shares)
9. Objectives and expected benefits of the project and Implementation (detailed information on how the plan could achieve the objective effective way) (250 words)
10. Declaration on other Subsidies

### Required information for selected Type of Application

Technology Adoption:

### Required Information

(please follow the instructions in Portal application form)

1. Pre-approved List item code (please refer to CITF website, if applicable)
2. Product Details (For non-pre-approved list items)
3. Construction project information
4. BIM Training details, if applicable





# Choose Type of Application

5

Status: All Draft In Review Approved Completed **New Application**

**Applications**

Internal Application No:00017926  
Application Types: BIM  
Last Updated: 2024-01-04 17:59:11

Internal Application No:00018219  
Application Types: BIM  
Last Updated: 2023-12-15 10:53:35

6

Comp. Info BIM Complete

1. Type of application ✓ 2. Particulars of the Applicant

**Section A - Type of Application**

**Type of application**

Please select the type of application (multiple selection)  
You can apply for more than one item type at the same time. When submitting, the system will automatically copy multiple application forms.

I. Building Information Modelling (BIM)

II. Advanced Construction Technology ✓

II. Modular Integrated Construction (MiC)

IV. Manpower Development (MPD)

V. Prefabricated Steel Rebar

Next



# Fill in required company particulars

7

Comp. Info

ACT

Complete

1. Type of application ✓

2. Particulars of the Applicant

Section B - Particulars of the Applicant Company / Organisation

Particulars of the Applicant

Registered Specialist Trade Contractors or Sub-contractors  
Reg. No.:

Trade (multiple items are allowed)  
☐ Concreting  
☐ Concreting Formwork  
☐ Curtain Wall  
☐ Demolition  
☐ Erection of Concrete Precast Component  
☐ Reinforcement Bar Fixing  
☐ Scaffolding  
☐ Plastering  
☐ Suspended Ceiling  
☐ Tower Crane (Erecting, Dismantling and Altering Height)

Levy paying contractor number (if applicable)  
1 character and 4 digits in Levy paying contractor number

Consultant  
☐ The Engineering and Associated Consultants Selection Board  
☐ The Architectural and Associated Consultants Selection Board  
☐ The Band 3 Architectural Consultants and the list of Registered Practices maintained by the Hong Kong Institute of Architects  
☐ The Band 3 Architectural Consultants maintained by the Association of Architectural Practices Ltd  
☐ Member companies of the Association of Consultant Quantity Surveyors  
☐ Member companies of the Hong Kong Institute of Surveyors  
☐ Member companies of the Association of Consulting Engineers of Hong Kong  
☐ Member companies of the Association of Registered Engineers

Section C - Company / Organisation Information

Business Registration Number\*  
Business Registration Number

Quasi-governmental / Statutory organization:

Number of person(s) employed in Hong Kong (proprietors, partners and shareholders included):  
---

Upload Business Registration\*  
Must be image or PDF, Max 2MB.  

Please drop your file here.

Upload Quasi-governmental / Statutory Organization Proof  
Must be image or PDF, Max 2MB.  

Please drop your file here.

Company Information  
Chinese Full Name \*  
English Full Name \*  
Address \*  
Phone \*  
Fax

Current Application Contact

Title  
Chinese Full Name \*  
English Full Name \*  
Position Held \*  
Phone \*  
Mobile \*  
Fax  
Email \*

Form of Business \*: Sole Proprietorship  
Latest Annual Return \*  
Must be image or PDF, Max 2MB.  

Please drop your file here.

Individual shareholder with 30% or more shareholding of the Applicant at the submission time of this Application  
☒ Not applicable - No individual shareholder with 30% or more shareholding of the Applicant at the submission time of this Application  
☐ Individual shareholder with 30% or more shareholding of the Applicant at the submission time of this Application  
If more than one individual shareholder holding 30% or more shareholding, they would be treated as one single shareholder company.  
The information shall be the latest and match with the Annual Return uploaded above unless other justification is submitted.

Section D - Bank Information

All funds will be transferred directly to the bank account provided by the bank.  
Please enter the number in the account number without entering the bank number and '-'  
Bank Code \*  
Account Holder Name \*  
Account Number \*  
000 Branch Code (3 digits) Account Number (max 9 digits)  
☐ We declare that our company/ organisation has the above valid bank account. The relevant proof shall be submitted at disbursement stage or when upon request by the CITF Secretariat. We also understand that if the bank account is not valid, the fund grant would not be disbursed.

Section E - Other Information

From which of the following channels has your company/ organization learned about the CITF?  
☐ Government departments  
☐ Website  
☐ Construction Industry Council/ Construction Innovation and Technology Fund Secretariat  
☐ Website  
☐ CITF Newsletter  
☐ Industrial and Trade Organization  
☐ Website  
☐ Briefing Session  
☐ Seminar/ Webinar  
☐ Staff's recommendation  
☐ Promotion Email  
☐ Government Publications  
☐ Poster/ Promotion Leaflet  
☐ Member Newsletter

SAVE

Company details will be automatically filled in for previous applicants

# Choose a suitable application type

8

Comp. Info ✓ ACT Complete

Section F - Product / Technology Information

Application Types

Please select the type of application (multiple selection)

1A) General Adoption / Rental of Advanced Construction Technology ✓

1B) Smart Site Safety System

2) Pioneering Application in Hong Kong

3) Industrialised Processing - Robotic Welding

Next



# Applying for Pre-approved products

Comp. Info ✓

ACT

Complete

1. ACT Types ✓

2. Advanced Construction Technology

### Advanced Construction Technology

Technology type:

☐ Automation and robotics ☐ Advanced tools and equipment ☐ Digitalisation ☐ Sensors and IoT

☐ Smart Site Safety System ☐ Advanced construction materials \* ☐ Others, please specify:

**Pre-approved List (refer to the CITF website):** Add

(For applications submitted on or after 1 August 2023 involving pre-approved products, the total costs of the Approved Project shall be subject to the Approved Product Price published on the CITF website)

**Non Pre-approved List Items, if applicable:** Add

# If the applicant fails to provide the mandatory information, its application will be considered as ineligible.

9

### Advanced Construction Technology

Technology type:

☐ Automation and robotics ☐ Advanced tools and equipment ☐ Digitalisation ☐ Sensors and IoT

☐ Smart Site Safety System ☐ Advanced construction materials \* ☐ Others, please specify:

**Pre-approved List (refer to the CITF website):** Add

(For applications submitted on or after 1 August 2023 involving pre-approved products, the total costs of the Approved Project shall be subject to the Approved Product Price published on the CITF website)

1	<span>Remove</span>	
<b>Pre-approved Item Code:</b> <input type="text"/>	<b>Product Name:</b> <input type="text"/>	
<b>Unit Cost:</b> <input type="text"/>	<b>No. of units:</b> <input type="text"/>	<b>Total:</b> <input type="text"/>
<p>Please upload quotations</p> <p><a href="#">Sample of Quotations</a></p> <ul style="list-style-type: none"><li>For aggregate value of which does not exceed HK\$50,000, please provide at least one quotation;</li><li>For aggregate value of which is more than HK\$50,000 but not over HK\$200,000, please provide at least two quotations;</li><li>For aggregate value of which is more than HK\$200,000, please provide at least three quotations.</li></ul>		
<div>Please drop your file here.</div>		

**Non Pre-approved List Items, if applicable:** Add



# Applying for Non Pre-approved products

Comp. Info ✓

ACT

Complete

1. ACT Types ✓

2. Advanced Construction Technology

Advanced Construction Technology

Technology type:  
☐ Automation and robotics ☐ Advanced tools and equipment ☐ Digitalisation ☐ Sensors and IoT  
☐ Smart Site Safety System ☐ Advanced construction materials \* ☐ Others, please specify:

Pre-approved List (refer to the CITF website):  
(For applications submitted on or after 1 August 2023 involving pre-approved products, the total costs of the Approved Project shall be subject to the Approved Product Price published on the CITF website)

Non Pre-approved List Items, if applicable:

Add

# If the applicant fails to provide the mandatory information, its application will be considered as ineligible.

10

Non Pre-approved List Items, if applicable:

Add

Remove

Item 1  
Product Name: (250/250 words)  
Innovative elements/ feature: (250/250 words)  
Please provide Project(s) with trial use or adoption of the Proposed Non-pre-approved Item  
Item 1  
Item Name: Location:  
Year: Application or trial project: Application Project  
Item 2  
Item Name: Location:  
Year: Application or trial project: Application Project  
Item 3  
Item Name: Location:  
Year: Application or trial project: Application Project  
Item 4  
Item Name: Location:  
Year: Application or trial project: Application Project  
Item 5  
Item Name: Location:  
Year: Application or trial project: Application Project  
No. and Price of Proposed Non-pre-approved Item to be Purchased  
No. of units: Unit Cost: (HKD) Total: (HKD)  
Project Introduction:  
(Please upload a 30-second video or brochure to introduce the technology/product and its use):  
Please drop your file here.  
Upload Video (if any)  
Smart Site Safety System related technology? ☐ Yes ☐ No  
Are there any similar products / ☐ Yes, please specify reasons for not adopting Pre-approved product



# Input Project Contract Details

11

## Section G - Construction Project Information

Add

### IMPORTANT NOTE:

1. Once approved, Successful Applicant should procure the approved items and submit reimbursement request within three months to the date of the Notification of Approval.
2. The approved technology/ product in the approved project(s) shall be adopted for at least 3 months accumulatively in one or more on-going construction project(s).
3. CITF Secretariat shall be informed in writing for changes in the approved project or updates in project information within 7 calendar days upon the changes.
4. Additional project information can be made via the CITF Application Portal.

### Contract 1

Remove

Contract No: Contracting Party A: Contracting Party B:

Contract Name: Location:

Project Description: \* (250/250 words)

Contract Sum: (HKD)

Type of Project: Please select Please select Please select

☐ We declare that the submitted project(s) is/are private work site(s) which is/ are eligible for CITF subsidy on Smart Site Safety System (SSSS). We shall submit the proof at disbursement stage or upon request by the CITF Secretariat. We understand that in case the project is found to be a public work site, there will not be any subsidy from the CITF.

Contract Date: Start Date: End Date:

Technology/ Product shall Apply: Start Date: End Date:

### Project Manager

Title: Name: \*

Phone: \* Email: \*

### Project Site Representative

Title: Name: \*

Phone: \* Email: \*



# Completing application

Comp. Info ✓

ACT ✓

Complete

12

1. Objectives and expected benefits of

2. Declaration on other subsidies

3. Upload Form

4. Complete

The product / technology is expected to meet the following CITF objective(s): (MUST meet at least one of the CITF objectives)

Advanced Construction Technology

☐ Promote Productivity

☐ Uplifting Built Quality

☐ Improving Site Safety

☐ Enhancing Environmental Performance

Please describe

Use of Personal Data

To keep you informed of the CIC activities and industry developments which may be of interest, the CIC would like to use your personal data, including your name, phone number, correspondence and email address, to update you in relation to CIC training courses, trade testing, registration, events and other aspects of its work and developments in the construction industry. You are free to decide whether you wish to receive such information. If you choose not to do so, please put a tick in the box below.

☐ I do not wish to receive any information from the CIC in relation to its activities or developments in the construction industry.

Next



# Submitting Application forms

13

Comp. Info ✓ ACT ✓ Complete

1. Objectives and expected benefits of 2. Declaration on other subsidies 3. Upload Form 4. Complete

G: Upload Form

[Print Application Form](#)

Required Documents

1. Please check if the information is correct; if you need to modify it; please modify the relevant section and print the application form.
2. Please sign the application form and stamp the company seal and upload it.
3. Please note that you cannot make changes after the application is submitted, otherwise you need to cancel the application and re-fill the application form.

00017926-ACT [Download ACT Application Form](#) Please upload a signed PDF application form

Please drop your file here.

Submit



# Function for submitting "Disbursement Request"

Status: All Draft In Review Approved Completed New Application		
Applications	Status	Action <span>1</span>
<u>Internal Application No:00017926</u> Application Type: BIM Last Updated: 2024-01-04 17:59:11	Approved	Action ▾
<u>Internal Application No:00018219</u> Application Type: BIM Last Updated: 2023-12-15 10:33:35	Draft	Action ▾

Status: All Draft In Review Approved Completed New Application		
Applications	Status	Action <span>2</span>
<u>Internal Application No:00017926</u> Application Type: BIM Last Updated: 2024-01-04 17:59:11	Approved	Action ▾  + New Contract
<u>Internal Application No:00018219</u> Application Type: BIM Last Updated: 2023-12-15 10:33:35	Draft	<div>Apply Disbursement</div>



# Choose the correct disbursement type



帳戶:  
garfieldsiu@cic.hk

電郵:  
garfieldsiu@cic.hk

登出

2023-08-03 09:37:22  
Assigned as Officer to A02873-B005

2023-08-03 09:36:47  
Assigned as Officer to A03809-A001

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重要事項

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## 建造業創新及科技基金科技應用撥款發放申請 CITF Disbursement Request Form for Technology Adoption

稅務處專用申請  
Office use Required

### A) 申請詳情

#### A) Request Particulars

遞交編號 Submission ID		申請日期: Application Date:	2023-12-07
申請者全名 Name of Applicant	IMITED	申請之撥款類別: Type:	-- 請選擇 --
銀行名稱 Bank Name			-- 請選擇 --
銀行戶口號碼 Bank Account Number			-- 請選擇 --

訂金撥款 Deposit Payment  
首期或進度撥款 Progress Payment  
結算撥款(或撥款至非銀行戶口) Final Payment (Other than BIM Training)  
結下撥款(建築信息模型培訓) Final Payment (BIM Training)

### 申請者須知:

#### Notes to the Applicants:

1. 撥款將會每三個月分期發放，於上期撥款批准日期計三個月內，申請者不得再次申請撥款，結下撥款之前所有首期或進度撥款之累積金額不可超過批准金額之80%。當撥款之金額已達批准金額之80%，任何之後的進度撥款將不予批准，結下撥款則會於首期撥款及科技應用12個月後發放，所有撥款申請必須遵照所有申請程序、條款和條件、批准通知及基金網站內列明之所需文件一併提交，所有撥款將符合條款及條件下才會發放。

1. Disbursement of funding will be made in by instalments at quarterly intervals since the first instalment application. No payment applications will be allowed within 3 months from the last payment application. The payable amount of the first and subsequent progress payment before the final payment shall be subject to a maximum of 80% of the approved funding amount. Once the first 80% is reached, further progress payment applications would not be allowed. The remaining amount (i.e. last instalment) shall be submitted after 12 months of technology adoption since the first instalment. All payment applications submitted shall be supported with relevant documentary proof as required in the Application Framework, Terms and Conditions, Approval Letter and the CITF website. All disbursements will only be paid upon fulfillment of all the CITF requirements.

2. 以下所需提交文件之電腦檔案版本必須連同此撥款發放申請一併提交:

2. The softcopy of the following supporting documents where appropriate shall be submitted with the Disbursement Request Form:

2.1 計劃所建科技(ACIT)或建築信息模型(BIM)的科技應用，申請者可符合以下條件的申請，申請獲批撥款:

2.1 Advanced Construction Technology (ACT) and Building Information Modelling (BIM) adoption categories fulfilling the following criteria are eligible for earlier funding disbursement:

- 產品交付時間超過2個月(不論是否延期或延遲交付);和
- 在單一銀行交易中向供應商付款超過港幣100,000元

Payment to vendor in one single bank transaction exceeds HK\$100,000

2.1.1 申請者於提交所需證明文件後可獲得提前撥款，第一期的撥款，將按申請者在產品交付前為採購技術實際支付的金額的70%(即訂金)計算，上限為批准金額的80%。

2.1.2 若首期撥款並未用盡80%批准撥款金額上限，成功申請者可從產品交付後剩餘下資金(或適用)提出撥款申請。

Upon product delivery, Successful Applicant could apply for reimbursing the remainder (if any) of 80% of the approved funding.

2.2 科技應用下之非建築信息模型培訓的撥款發放申請(建築信息模型培訓除外)

2.2 For Technology Adoption (excluding BIM Training)

2.2.1 採購/服務記錄，包括批准技術項目採購單、發票、進貨單、收據及銀行交易紀錄，及外聘審計費用的發票、收據及銀行交易紀錄。(除了銀行交易紀錄及採購單，文件正本須提交至議會，地址為九龍觀塘駿業街56號中海日升中心38樓)

Record of procurements/ expenditure including receipts, purchase orders, invoices, delivery notes and bank transfer record of the approved products/technology and the invoice, receipt and bank transfer record of the external audit fee (if applicable). (Original, except for bank transfer record and purchase order, shall be submitted directly to CIC at the following address: 38/F, COS Centre, 56 Tsun Yip Street, Kwun Tong, Kowloon, Hong Kong)

3





# Upload required documents for proof



A A A 繁

2023-08-03 09:37:22  
Assigned as Officer to A02673-B005

2023-08-03 09:36:47  
Assigned as Officer to A03809-A001

登入

登出

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建造業創新及科技基金科技應用撥款發放申請  
CITF Disbursement Request Form for Technology Adoption

批費處專用申請編號  
Office use Request No.

00000000-XX-202312

A) 申請詳情  
A) Request Particulars

遞交編號  
Submission ID No.

(00000000)

申請日期:  
Application Date:

2023-12-07

申請者全名  
Name of Applicant

申請之撥款類別:  
Type:

餘下撥款(非建築信息模擬培訓) Final Payment (Other ✓)

銀行名稱  
Bank Name

銀行戶口號碼  
Bank Account Number

適合合約完成日期 (只適用於餘下撥款申請) \*:  
Project Completion Date (For Final Payment only) \*:

B3) 申請撥款項目 (餘下撥款, 非建築信息模擬培訓之科技應用)  
B3) Payment Request Items (Final Payment For Technology Adoption other than BIM training)

項目編號 Item No.	批准通知參考編號 * Approval Letter Reference No. *	批准之項目 * Item Marked in Letter *	批准金額 (港幣\$) * Approved Amount (HK\$) *	申請金額 (港幣\$) (包括外聘審計費用, 如適用) * Claimed Amount (HK\$) (including the external audit fee, if applicable) *	結核報告 * Completion Report for Funding Item * 表格填寫	上載經審計師認證的審核已審核項目報告及外聘審計費用的發票、收據及銀行交易紀錄。 (只適用於單一申請獲撥款多於港幣500,000之申請) Audited Financial Report, invoice, receipt and bank transfer record of the external audit fee (for fund grant amount more than \$500,000 in a single application only)
1					上載	上載
2					上載	上載
3					上載	上載
4					上載	上載
5					上載	上載
6					上載	上載
7					上載	上載
8					上載	上載
9					上載	上載

撥款發放申請總額  
Total Claim Amount \*

\$0.00

4

# Submission of Final Report

A A A 繁 英



帳戶:  
garfieldsiu@cic.hk  
電郵:  
garfieldsiu@cic.hk

登出

2023-08-03 09:37:22  
Assigned as Officer to A02673-B005

2023-08-03 09:36:47  
Assigned as Officer to A03809-A001

Review Application

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## 科技應用項目總結報告 (每項獲審批之科技應用需提交一份報告)

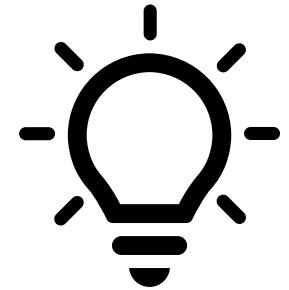
### A) 申請詳情

遞交編號:		獲審批日期:	0000-00-00
申請者全名:		商業登記號碼:	
科技應用類別:	創新建築科技		
採用的科技產品:			
合約工程:			

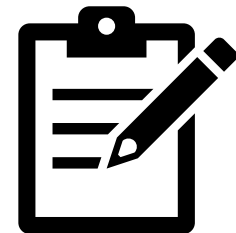
項目	準則	評估範疇	審批者科技產品應用的量化成效 (必需填寫，最少250字，請填上「不適用」如該項目不適用。下列例子只供參考。)	指導性問題
1	促進生產			
1.1	促進生產	設計	<div>點擊查看例子</div> <div>(0 字)</div>	1. 跟傳統方法相比，該技術如何做到便利工程原先設計的繪圖/報價處理以及隨後的設計改動？ 2. 該技術如何促進設計有更佳的呈現，同時促進各方參與設計和協調過程？
1.2		施工方案和工作流程	<div>點擊查看例子</div> <div>(0 字)</div>	1. 該技術涉及哪些工序/工作流程？ 2. 工序/工作流程有因為該技術的使用而改變嗎？如何改變？ 3. 該技術如何提升工序/工作流程的生產效率？
1.3		檢測和質量管控 (QC)	<div>點擊查看例子</div> <div>(0 字)</div>	1. 工序/工作流程需要哪些檢測/檢查 (QC)？請指出該些工序/工作流程。 2. 檢測/檢查安排有因為該技術的使用而改變嗎？如何改變？ 3. 該技術如何提升在檢測/質量管控方面的生產
1.4		工地和人員管理	<div>點擊查看例子</div> <div>(0 字)</div>	1. 工序/工作流程需要哪些工地/人員管理？請指出該些工序/工作流程。 2. 工地/人員管理安排有因為該技術的使用而改變嗎？如何改變？ 3. 該技術如何提升工地/人員管理的生產效率？



# "Hints" for fund application



- 1) For BIM/ACT/STB/Manpower Development applications, any committed expenses prior to the application dates **MUST NOT** be funded.
- 2) Please acquire quotations according to our **terms and regulations**.
- 3) Please choose your product/service vendors applying "**the lowest bid principle**".
- 4) Information on quotations **MUST match that** on the application forms.
- 5) Please **properly keep** your **quotations/invoices/receipts/delivery notes/contracts etc.**
- 6) All applied fundings **must be directly paid by applicants** for applications to be successful
- 7) The **companies awarded with the projects must directly apply** for fundings.
- 8) Please **choose the application types correctly** when filling in the application forms ("Pre-approved/Non pre-approved").





(852) 2100 9000

\*Please press "7" after choose your preferred language to contact with our staff directly



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## CITF Advisory Station

1-on-1 consultation service for answering your enquiries and real-time demonstration of account opening and fund application processes

**Booking of the service is welcome!**

