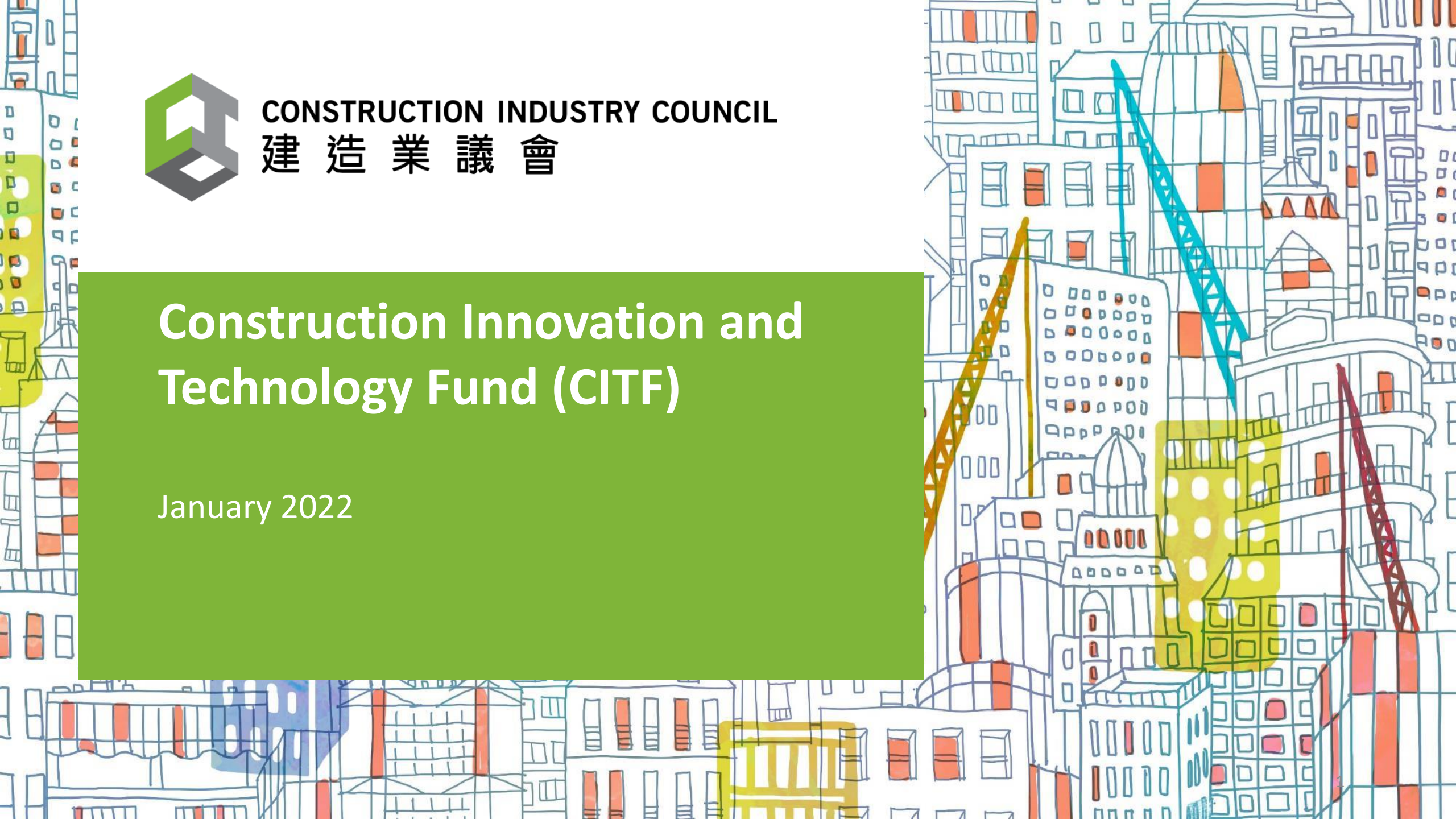




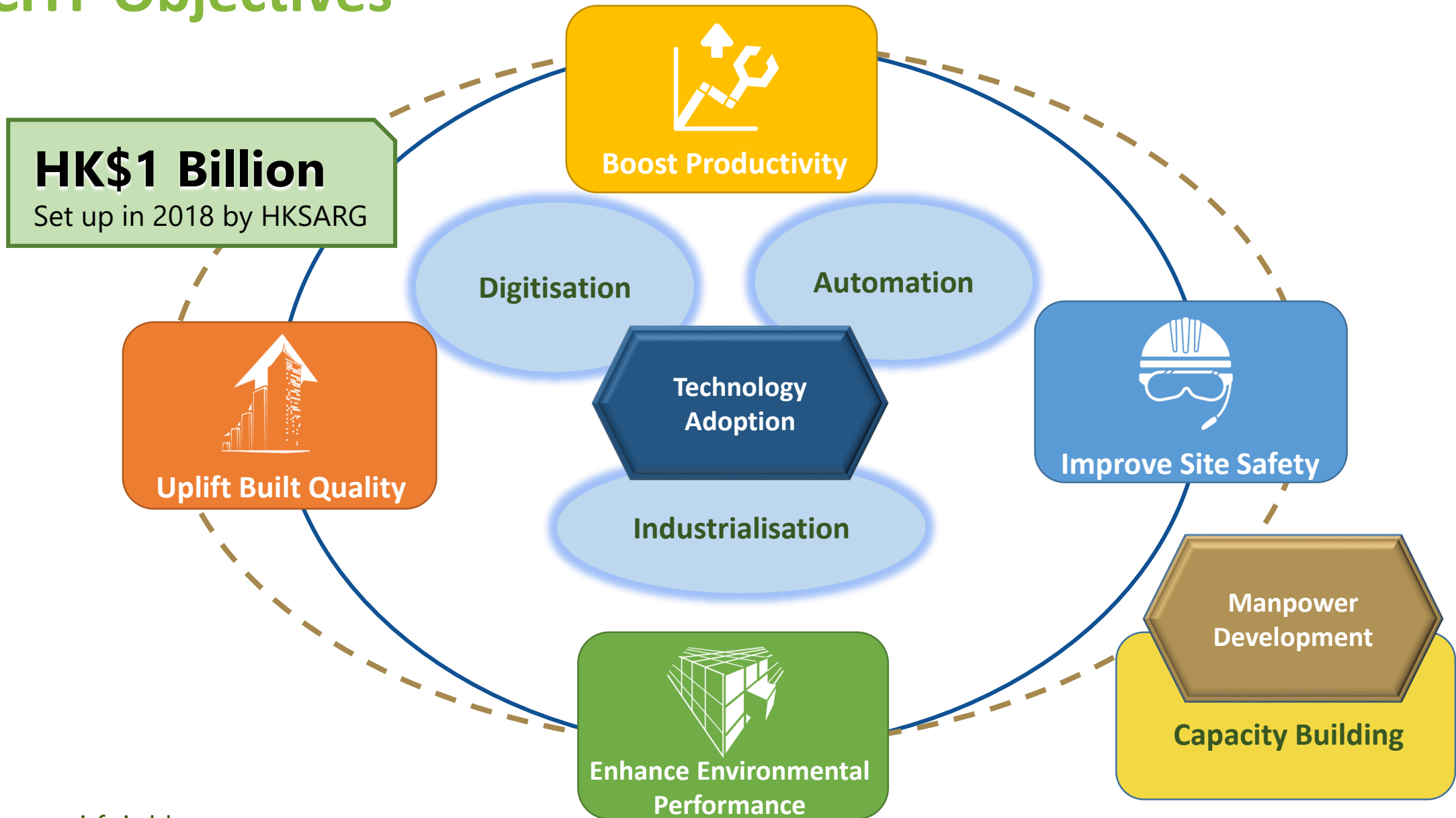
CONSTRUCTION INDUSTRY COUNCIL
建造業議會

Construction Innovation and Technology Fund (CITF)

January 2022

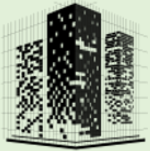


CITF Objectives



CITF Funding Scope

Technology Adoption



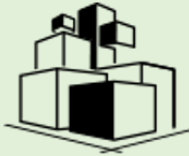
Building Information Modelling (BIM)



Advanced Construction Technologies (ACT)



Consultants



Modular Integrated Construction (MiC)



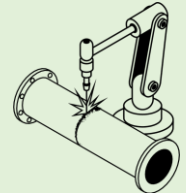
Contractors



Prefabricated Steel Rebar



Sub-contractors



Industrialised Process – Robotic Welding

Manpower Development



Non-local Training / Visits for Practitioners



Technology Enrichment Courses for Students



Local Collaborative Courses



International Conferences in HK



Local Higher Education Institutions



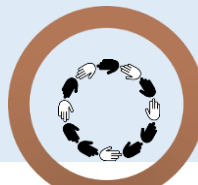
Professional Institutions



Quasi-Governmental/ Statutory Body



Trade Associations



Labour Unions



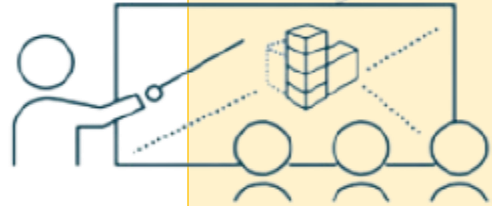
Enhancement Measures of CITF

Effective : **1 January 2022**

(i.e. apply to applications received on or after 1 January 2022)



Enhancement at a Glance – BIM



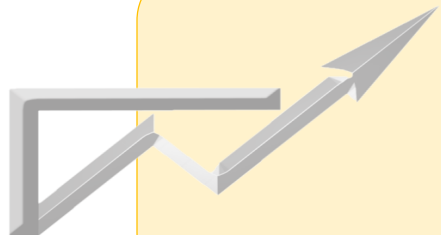
- BIM Project-based Coaching**
- Co-fund **70%**
 - Max. **HK\$200K** / applicant

↑ Capacity building



- BIM Viewer Collaborative Training**
- Co-fund **70%**
 - Max. **HK\$8K** for **trainer** and **admin. cost**
 - Max. **HK\$5K** for external **venue** cost

↑ Capacity building



- BIM Funding Ceiling**
- **HK\$1.5M** per applicant (HK\$1.2M for adoption)
 - Co-fund **70%** or HK\$3,000 per course (whichever the higher), max. **HK\$15K**/ person

↑ Adoption and training



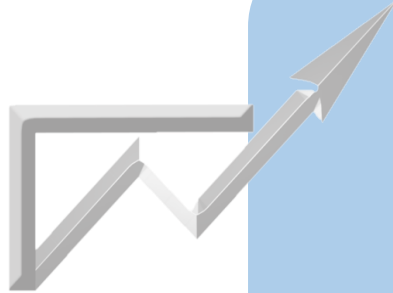
Enhancement at a Glance – ACT



Pioneering Application in HK

- Co-fund **70%**
- Capped at **HK\$10M**/ project

Introducing new technology for industry



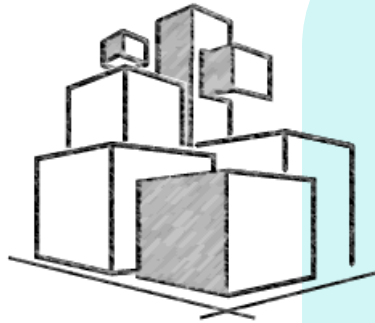
ACT Funding Ceiling

- **HK\$1.5M** per technology (**HK\$2M** for safety-related technology)
- **HK\$300K** per technology (rental), cumulative ceiling at **HK\$600K**
- Co-fund **80%** (locally developed innovations)

↑ Adoption



Enhancement at a Glance – MiC



Support Multi-trade Integrated Mechanical, Electrical and Plumbing (MiMEP) (details to be announced)

Specialist MiC Consultant, MiC Plant and MiC Modules

- **Retrospective approval** for early engagement of MiC lifting plant and modules vendors is **allowed**
- Applicants can engage specialist MiC consultant and the supplier of MiC lifting plant or modules before submitting the **application** which shall be **submitted within 12 months from the engagement**

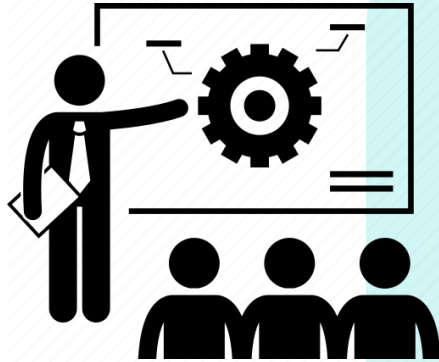
↑ **Modular construction**

↑ **Flexibility in adoption**



Enhancement at a Glance – Manpower Development

↑ Capacity building



Local Collaborative Course

- Quasi-governmental and Statutory Bodies as eligible applicants to organise local courses

Non-local Enrichment Courses for Students

- Beneficiaries extended to sub-degree students
- Multiple participations of the same student allowed

Non-local Training/ Visit for Practitioners

- 50% outbound travel and accommodation cost supported



BIM



Training (Classroom-type)

Experiential Use and Project Adoption

Funding Mode

Cash rebate, 70% matching fund

Co-fund with 70% grant from CITF

Funding Ceiling

- Overall **HK\$1,500,000** per applicant



- No Sub-ceiling**

- HK\$1,200,000** per applicant (sub-ceiling)

- Each person enrolling training is entitled **70% of course fee** or HK\$3,000 per course whichever is the higher

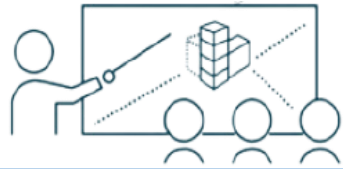
- Experiential use is capped at maximum HK\$200,000
- Each computer at maximum HK\$21,000
- Computers subsidised by CITF are required to install CITF-funded BIM software and be used for this purpose



- HK\$15,000** per person (accumulative)



BIM Project-based Coaching



BIM Project-based Coaching

Funding Mode	Co-fund with 70% grant from CITF
Funding Ceiling	<ul style="list-style-type: none">• HK\$200,000 per applicant (accumulative)
Requirements	<ul style="list-style-type: none">• Hire BIM professionals/ consultants to provide doorstep project-based coaching• Class-type BIM training is not supported• Project(s) shall be with genuine need for BIM adoption• Training shall be delivered throughout the project cycle



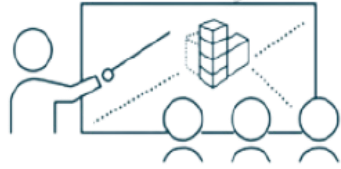
BIM Viewer Collaborative Training Scheme



An icon depicting a person standing at a whiteboard, pointing at a 3D BIM model. Three other people are seated in front of the whiteboard, representing a training session.	BIM Viewer Collaborative Training
Funding Mode	Co-fund with 70% grant from CITF
Funding Ceiling	Per session per class: <ul style="list-style-type: none">- HK\$8,000 for trainer and administration- HK\$5,000 for rental of external venue
Requirements	<ul style="list-style-type: none">• Engage in-house BIM trainers to provide BIM Viewer training for employees• Trainers shall be either of the followings:<ul style="list-style-type: none">• completed CIC-accredited BIM Manager or CIC-accredited BIM Co-ordinator courses; or• CIC-certified BIM Manager or CIC-certified BIM Co-ordinator



BIM Viewer Collaborative Training Scheme




BIM Viewer Collaborative Training

Requirements

- **HK\$4,000** fixed lump-sum subsidy shall apply for a **4-hour** training by in-house instructors adopting **CIC's BIM Viewer Teaching and Learning Kit** for not less than **12 nos.** of trainees (up to 20 nos.) including administration fee
- **No venue subsidy** if **in-house venue** is available / feasible



Advanced Construction Technologies (ACT)

	Project Adoption
Funding Mode	<ul style="list-style-type: none"> • Co-fund with 70% grant from CITF • Rental of equipment for experiential adoption, co-fund with 50% grant from CITF
Funding Ceiling	<ul style="list-style-type: none"> • HK\$1,500,000 per technology (HK\$2,000,000 for safety-related technology) • Funding ceiling for rental: HK\$300,000 per technology for a maximum rental period of 6 months • Cumulative maximum funding ceiling for rental: HK\$600,000 per applicant



Remarks:

- The combined funding ceiling for BIM and ACT is **HK\$6,000,000** per applicant
- CITF will bear a higher maximum ratio of **80%** of the total costs of the Approved Project which involves the adoption of locally developed innovations or products
- In general, CITF will not fund the maintenance cost, office overheads, materials cost, consumables, spare parts, solutions, services and other administrative expenses incurred in the project

ACT



Pioneering Application in Hong Kong

Target Applicants	<ul style="list-style-type: none">Contractors, Sub-contractors, Consultants or Trade Associations
Partners	<ul style="list-style-type: none">Local tertiary institutionsLocal research institutes
Objectives	<ul style="list-style-type: none">Subsidising the cost of bringing in, for adoption in Hong Kong, emerging technologies which have good potential for wider benefits of the local construction industry



ACT



Pioneering Application in Hong Kong

Technology Requirements

- **Proven technology outside Hong Kong** which is newly adopted for on-site application in Hong Kong (e.g. 3D printing); or
- **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)

Project Requirements

- **Multiple projects allowed** to enable more thorough trial under different scenarios.



ACT



Pioneering Application in Hong Kong

Cost Supported

- **Costs** incidental to **introducing/modifying the technolog(ies)** for experiential use in Hong Kong, including the costs involved in:
 - **machine** procurement and delivery
 - **hardware and software** modification and adaptation for a new functional use in Hong Kong
 - related **material**
 - **manpower** development
 - **training** costs, etc..

Funding Mode

- Co-fund with **70%** grant from CITF (a matching ratio lower than 70% on a case-by-case basis subject to the benefit sharing arrangement etc.)



ACT



Pioneering Application in Hong Kong

Funding Ceiling

- **HK\$10,000,000** per project

(a **higher cap**, i.e. exceeding HK\$10M could be recommended and approved 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.)



ACT



New

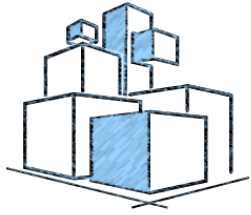
Pioneering Application in Hong Kong

Other Requirements

- Applicant shall **share the benefits/ experience** with other industry stakeholders through one or more of the following means:
 - The intellectual property (IP) rights, if any, would be **shared** with **or transferred** to industry stakeholders e.g. solutions providers, training institutes, universities, research and development (R&D) centres;
 - **Open, transparent and non-exhaustive rights of use** of the technology;
 - **Licensing fees**, if any, should be made on an equitable basis and at **reasonable** level;
 - Other IP/ benefit sharing arrangement as required by the vetting committee



MiC



Project Adoption

(Specialist MiC Consultant/ MiC Specific Construction Plant/ MiC Modules)

Funding Mode

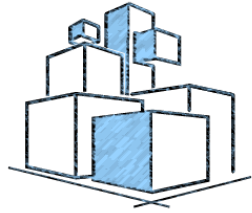
Co-fund with 70% grant from CITF at maximum

Funding Ceiling

1. Consultant
 - Support the Project Consultant to employ **specialist MiC consultant** – **HK\$2,500,000** per project
2. Contractor/ Registered Specialist Trade Contractors/ Sub-contractors
 - Purchase / rental to **MiC specific construction plant** – **HK\$2,500,000** per project
 - Purchase / offsite production of **MiC modules** – **HK\$5,000,000** per project



MiC



Project Adoption

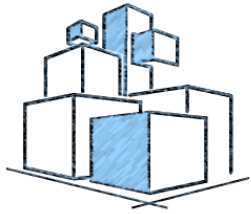
(Specialist MiC Consultant/ MiC Specific Construction Plant/ MiC Modules)

Other Requirements

- **For Specialist MiC Consultant/ MiC Specific Construction Plant/ MiC Modules:**
 - 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.
- **For MiC Specific Construction Plant/ MiC Modules:**
 - Applicant shall submit document proof on the validity of MiC project with the application e.g. **BD's consent to commence superstructure works** of the MiC building or **compliance with the consent requirements imposed by the BD for MiC module production** or equivalent proof.



MiC



Project Adoption

(Specialist MiC Consultant/ MiC Specific Construction Plant/ MiC Modules)

Other Requirements

- **For Specialist MiC Consultant/ MiC Specific Construction Plant/ MiC Modules:**

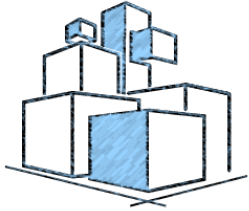
- **Retrospective approval for hire of specialist MiC consultant, MiC specific construction plant and modules is allowed.**

New

Applicants can engage specialist MiC consultants or the suppliers of MiC specific construction plant or modules before submitting the **application** which shall be submitted **within 12 months from the engagement**. For **engagement before 1 January 2022**, the applicants shall submit the **application on or before 31 December 2022**.



MiC



Project Adoption

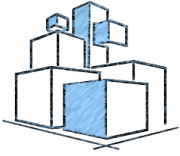
(Specialist MiC Consultant/ MiC Specific Construction Plant/ MiC Modules)

Other Requirements

- **For MiC Specific Construction Plant and Modules** applications submitted on or after 1 Sep 2021:
 - Applicant shall submit a **safety audit report on logistics and lifting operation** in the MiC project for final reimbursement purpose.



MiC



Project Adoption

(MiC Project Implementation by Project Lead Consultant)

Funding Mode

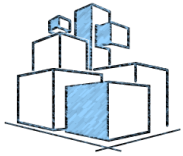
Financial subsidy for costs involved

Funding Ceiling

1. Consultant
 - Support the Project Consultant for additional cost incurred in implementing MiC project (except the subsidy to employ specialist MiC consultant) – **HK\$4,000,000** or **15% of the consultancy fee accepted by the project client**, per project, whichever is the lesser



MiC



Project Adoption

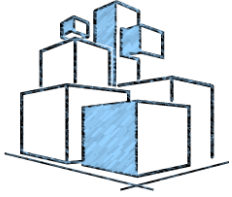
(MiC Project Implementation by Project Lead Consultant)

Other Requirements

- 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 provide **proof** such as BD's consent to commence superstructure works of the MiC building and commencement of MiC **module installation on site for reimbursement** purpose.
- 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 **5,000m²** of **Gross Floor Area for MiC** adoption; and
 - have **MiC module installation commenced** on site **after 1 July 2020**



MiC



Entry of MiC systems to the Buildings Department (BD)'s Lists of Pre-accepted MiC Systems

Funding Mode

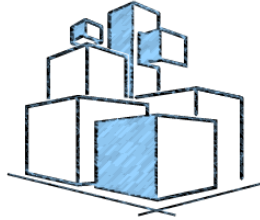
Financial subsidy (subject to successful admission of the MiC system into the BD's List of Pre-accepted MiC Systems)

Funding Ceiling

1. Consultant
 - Support the firm of Authorised Person (**AP**) and Registered Structural Engineer (**RSE**) and architectural or engineering consultant **firms (Not individuals)** for costs incurred in its application for in-principle acceptance of MiC systems to the BD's Lists of Pre-accepted MiC Systems – the funding ceiling is **HK\$1,000,000** per application, **depending on MiC scale and complexity**



MiC



Entry of MiC systems to the Buildings Department (BD)'s Lists of Pre-accepted MiC Systems

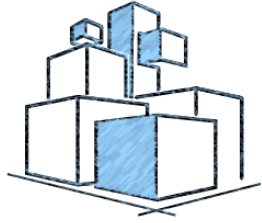
Funding Ceiling

Remarks:

- The MiC systems shall be **manufactured by suppliers / manufacturers NOT yet on the BD's List of Pre-accepted MiC Systems** and are designed for application for buildings of 6 storeys and above in Hong Kong
- A genuine MiC modules manufacturer with appropriate production capability to be substantiated by the applicant
- Three tiers of funding subsidy for different MiC scale and complexity are as follows:
 - 1st tier: 6-10 storeys entitling to HK\$400,000;
 - 2nd tier: 11-29 storeys entitling to HK\$600,000;
 - 3rd tier: 30 storeys or above entitling to HK\$800,000; and
 - An extra subsidy of HK\$200,000 to each tier for more complex MiC design



MiC



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

Funding Mode

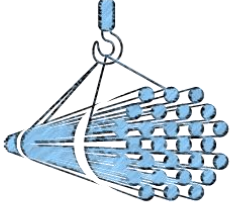
(details to be announced)

Funding Ceiling

(details to be announced)



Prefabricated Steel Rebar

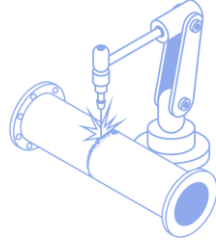
	Project Adoption
Funding Mode	Cash rebate HK\$300/tonne
Funding Ceiling	HK\$5,000,000 per project

Remarks:

1. Prefabricated steel rebars shall be produced by yards on the Civil Engineering Development Department (CEDD)'s List of Approved Steel Reinforcing Bar Prefabrication Yards
2. 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

	Industrialised Process – Robotic Welding
Funding Mode	Co-fund with 15% grant from CITF for the processing fee involved
Funding Ceiling	HK\$800,000 per applicant


Remarks:

- Only prefabricated components manufactured by off-site robotic welding in Hong Kong will be subsidised and the subsidy shall apply to processing fee only;
- The price of processing fee for each type and size of welding products submitted by the supplier to the CITF Secretariat would form the basis of the CITF Funding Price Ceiling; and
- The funding ceiling is independent of the HK\$6,000,000 funding ceiling for BIM and ACT.



Non-local Enrichment Courses for Students



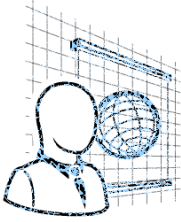
	<p>Target beneficiaries</p> <ul style="list-style-type: none"> • Full time sub-degree / undergraduates / postgraduates in construction related disciplines
<p>Eligible Applicants</p>	<p>Local higher education institutions</p>
<p>Funding Mode</p>	<p>Reimbursement to applicants</p>
<p>Funding Scope</p>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



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




Non-local Training / Visits for Practitioners

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



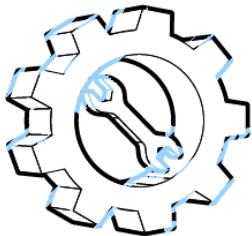
Remarks: Only HK permanent residents are eligible for funding supporting for courses or training outside HK

International Conferences in Hong Kong

	<p>Target beneficiaries</p> <ul style="list-style-type: none"> • Professionals • Technicians • Tertiary students • Academic staff
<p>Eligible Applicants</p>	<ul style="list-style-type: none"> • Local higher education institutions • Professional institutions • Trade associations • Unions
<p>Funding Mode</p>	<p>Reimbursement to applicants</p>
<p>Funding Scope</p>	<ul style="list-style-type: none"> • Event venue and set up • Additional manpower • Conference collaterals • Reasonable Catering • Air passage and accommodation for speakers • Administration and Audit fees
<p>Funding Ceiling</p>	<ul style="list-style-type: none"> • HK\$1,000,000 per conference



Local Collaborative Courses

	<p>Target beneficiaries</p> <ul style="list-style-type: none"> • Professionals • Technicians • Registered Skilled Workers • Tertiary students • Academic staff
<p>Eligible Applicants</p>	<ul style="list-style-type: none"> • Local higher education institutions • Professional institutions • Trade associations • Unions • Quasi-governmental & Statutory bodies
<p>Funding Mode</p>	<p>Reimbursement to applicants</p>
<p>Funding Scope</p>	<ul style="list-style-type: none"> • Event venue and set up • Additional manpower • Course material • Reasonable Catering • Air passage and accommodation for speakers • Administration and Audit fees
<p>Funding Ceiling</p>	<ul style="list-style-type: none"> • HK\$300,000 per course



Application Procedures



Create an account at CITF Application Portal via CITF website
www.citf.cic.hk



Read the User Guide and prepare all required documents



Complete and Submit Online Application Form in CITF Application Portal



Vet Application by the CIC



Notify application result
(within 60 calendar days; 30 calendar days for Pre-approved Items)



Report submission and fund disbursement according to CITF requirements



How to create an account at CITF Application Portal

Log in at CITF website www.citf.cic.hk

Each applicant can register one account only

The screenshot shows the top navigation bar of the CITF website. It includes the CITF logo (Building Innovation and Technology Fund), the Development Bureau logo, and the Construction Industry Council logo. There are also language options (EN 繁 簡) and a search bar. Below the navigation bar, there are menu items: About CITF, Funding Scope, Pre-Approved Lists, Application, Experience / Knowledge Sharing, What's News, and Contact us. The main banner features a green and blue architectural background with the text "Construction Innovation and Technology Fund" and "We Innovate We Build". A "Learn More" button is visible. A red circle with the number "1" and a yellow arrow points to the "APPLY NOW" button in the bottom right corner of the banner.


The screenshot shows the CITF Application Portal interface. On the left, there is a "Account Login" section with fields for "Account Name" and "Password*", a "Login" button, and links for "Register Account" and "Forgot password". A red circle with the number "2" and a yellow arrow points to the "Register Account" link. On the right, there is a "CITF Portal User Guide" section with a "Setup an Account" heading. Below this, there are three numbered instructions: 1. For first-time user of this portal, please click 'New User Register' (you apply for Construction Innovation and Technology Fund (organisation) can only register one account. You should select 'Adoption' and 'Manpower Development' under the same organisation). 2. Once you have registered as a user of this portal, please check your application status, check your past application history from the CITF Secretariat. 3. Please visit and read the details for 'Detail of Funding' and <http://www.citf.cic.hk>. Below the instructions, there is a "To Apply" section with two numbered instructions: 1. Please note that you must complete both sections of 'Part A' and 'Part B'. Please click 'Save' button on a timely basis to retain any information. 2. 'Application Item' falls into four different categories, including Advanced Construction Technology (ACT) and Prefabricated Construction (PC).




How to apply


Fill in required information to create an account


New User Registration


 Account Name*

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


 Email *

 Contact Name*

 Contact Phone* **3**

 Password*

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

 Confirm Password*



CITF Portal User Guide

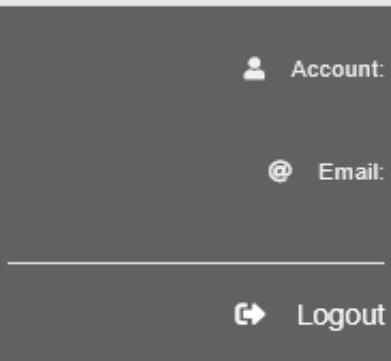
Setup an Account

1. For first-time user of this portal, please apply for Construction Innovation (organisation) can only register one account for 'Adoption' and 'Manpower Development'.
2. Once you have registered as a user, you can check your application status, check your profile from the CITF Secretariat.

Please visit and read the details for <http://www.citf.cic.hk>

To Apply

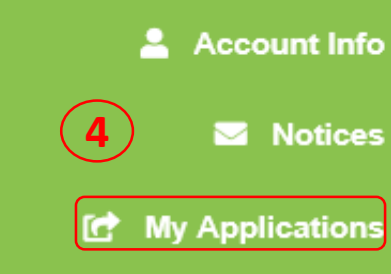
1. Please note that you must complete your application on a timely basis. Please click 'Save' button on a timely basis.
2. 'Application Item' falls into four different categories.



Account:

Email:


Logout



Account Info

4 Notices

My Applications



CITAC

建造業創新及科技應用中心



Select the type of application

5

In Review	Rejected	Completed	New Application
Type	Last Updated		

6

Basic Information

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
- III. Modular Integrated Construction (MiC)
- IV. Manpower Development (MPD)
- V. Prefabricated Steel Rebar



Disbursement Request Function



Status:	All	Draft	In Review	Approved	Completed	New Application	7
Applications					Status	Action	
<u>A00000-B0000</u> Application Types: BIM Internal Application No.: 00000000 Last Updated: 2019-02-28 10:00:00					Approved	Action ▾	



Status:	All	Draft	In Review	Approved	Completed	New Application	8
Applications					Status	Action	
<u>A00000-B0000</u> Application Types: BIM Internal Application No.: 00000000 Last Updated: 2019-02-28 10:00:00					Approved	Action ▾	
						Construction Project information	
						Disbursement Request	



Tips for CITF Application

- 1) “No retrospective approval” for BIM/ACT/STB/MPD - Apply before committing any price !!
- 2) Comply with CITF procurement procedures
- 3) The supplier or service provider that has submitted the lowest bid should be selected.
- 4) Information in the quotations should match with the application form
- 5) The invoice/receipt/purchase order/delivery note/bank transfer record should be kept in order
- 6) All of the reimbursable payment has to be made by the applicant
- 7) One of the contracting party should be CITF Fund Applicant





CITF 建造業
創科基金



(852) 2100 9000



(852) 2100 9090



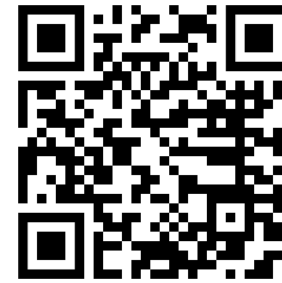
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CITF 建造業創新及科技基金



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