



CONSTRUCTION INDUSTRY COUNCIL
建造業議會

Construction Innovation and Technology Fund (CITF) Introduction

CITF Secretariat
October 2020

Background

- The CITF with an approved allocation of HK\$1 billion, is established by the Government of Hong Kong Special Administrative Region
- The CITF encourages technology adoption in automation, industrialization and digitization
- The CITF aims to provide the impetus to transform the local construction industry and uplift built quality of HK construction industry
- CIC is the implementation partner of the CITF



Aims



Boost Productivity

- Achieve project time savings
- Enhance cost effectiveness
- Promote labour productivity
- Enhance buildability and minimise unworkable designs



Uplift Built Quality

- Reduce unnecessary rework and defects
- Improve design and construction quality by minimising on-site changes



Improve Site Safety

- Enhance workplace safety and health for workers
- Reduce safety risks to workers in construction operations through design management or provision of safety equipment



Enhance Environmental Performance

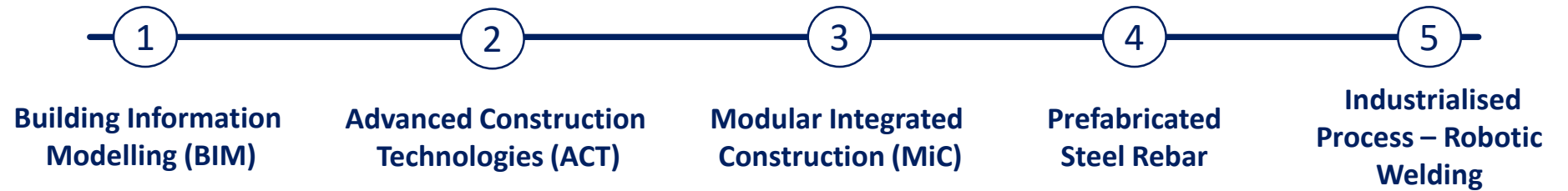
- Reduce material wastage and / or pollutants during construction
- Abate environmental nuisance to surroundings during construction



Categories of Funding



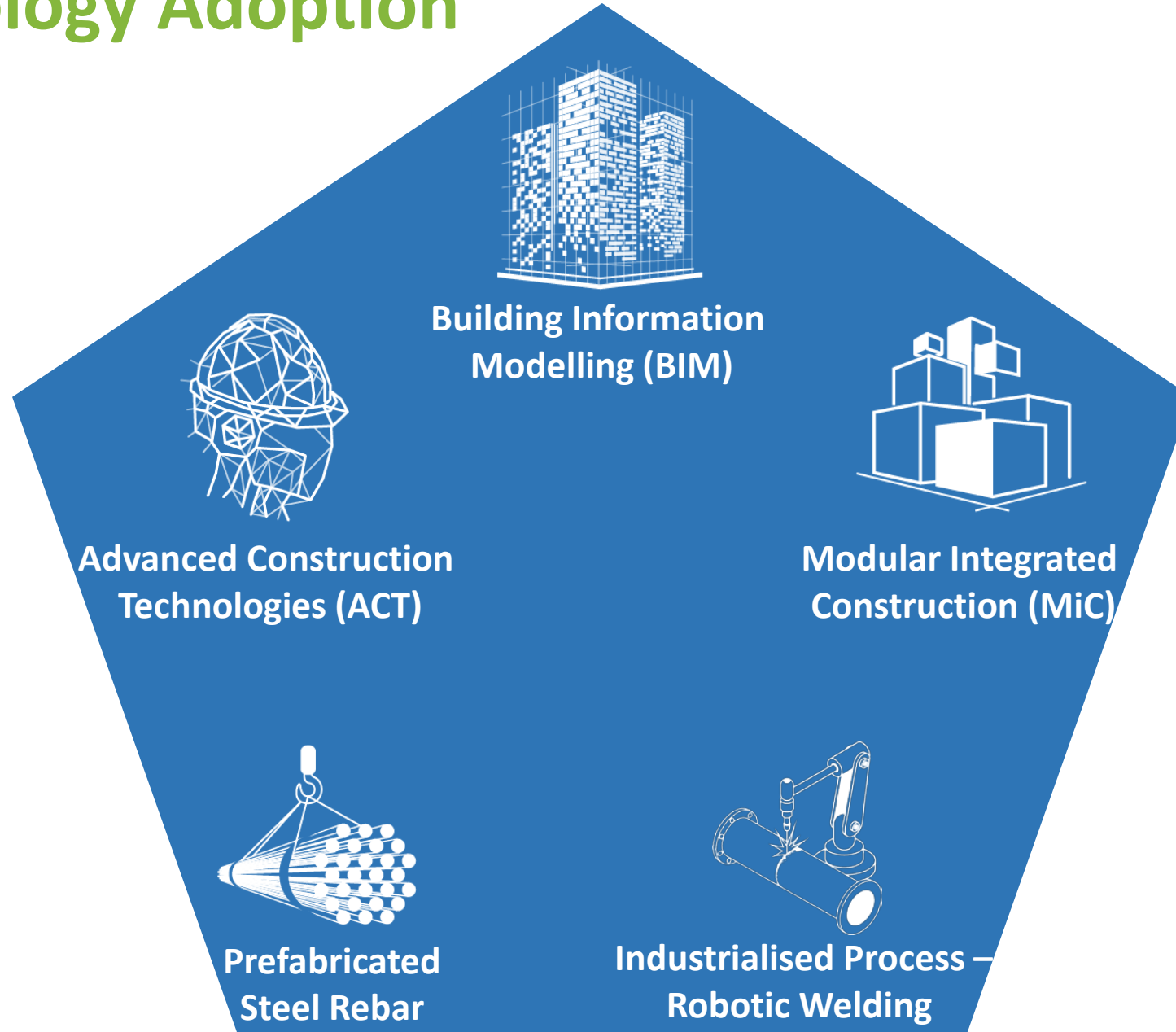
Technology Adoption



Manpower Development



Technology Adoption

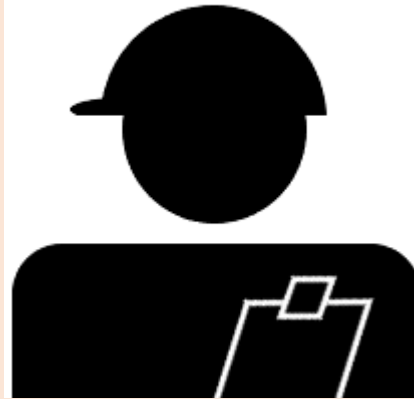


Technology Adoption - Eligibility



Construction Levy-paying Contractors

Contractors who have paid construction industry levy to the CIC in the past 24 months



Registered Specialist Trade Contractors (RSTCS) and Registered Subcontractors

Specialist trade contractors and subcontractors registered under the RSTCS operated by the CIC



Consultants

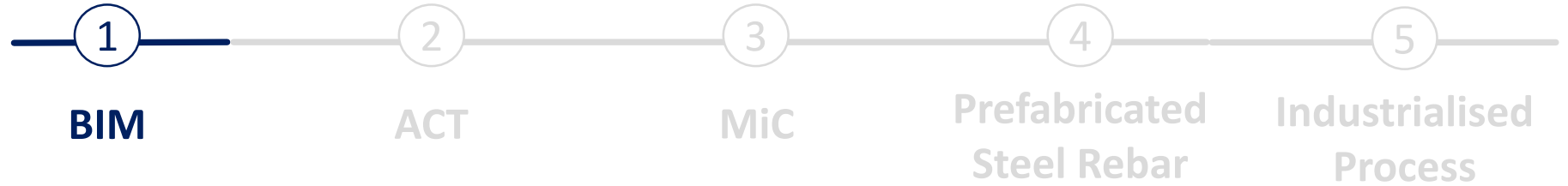
Consultants on the lists maintained by Government and professional bodies


Remarks:

For related enterprises, i.e. enterprises with different business registration certificates but having the **same individual(s) holding 30% or more ownership**, they would be **treated as one single enterprise** in counting the funding ceiling per company



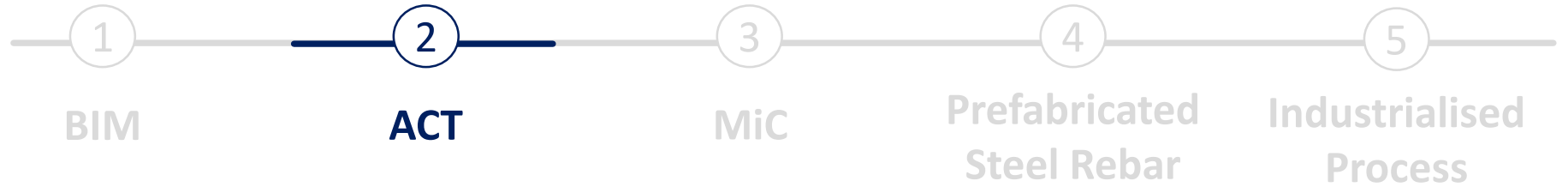
(A) Technology Adoption

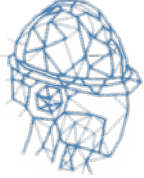


	<p>Training</p>	<p>Experiential Use and Project Adoption</p>
<p>Funding mode</p>	<p>Cash rebate</p>	<p>Co-fund with 70% grant from CITF</p>
<p>Funding Ceiling</p>	<ul style="list-style-type: none"> • A ceiling of HK\$800,000 per applicant can be shared between BIM Training and BIM Adoption • Each person enrolling training is entitled to HK\$3,000 per course at maximum 	<ul style="list-style-type: none"> • Experiential use is capped at maximum HK\$200,000 • Each computer at maximum HK\$21,000 • Computers subsidised by CITF are required to install BIM software and be used for this purpose



(A) Technology Adoption



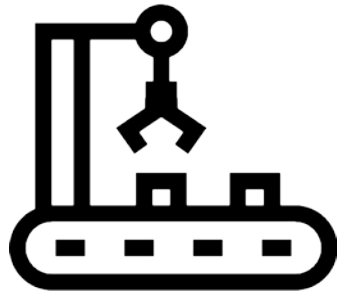
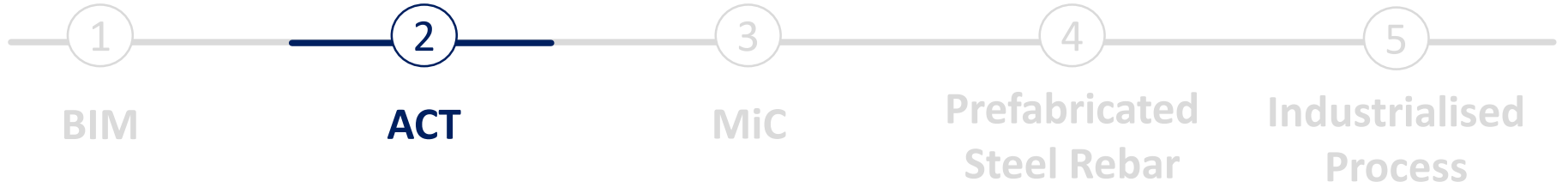
	<p>Project Adoption</p>
<p>Funding Mode</p>	<ul style="list-style-type: none"> • Co-fund with 70% grant from CITF • Rental of equipment for experiential adoption, co-fund with 50% grant from CITF
<p>Funding Ceiling</p>	<ul style="list-style-type: none"> • HK\$800,000 per technology • The funding ceiling for rental is HK\$200,000 per technology for a maximum rental period of 6 months • The cumulative maximum funding ceiling for rental is HK\$500,000 per applicant

Remarks:

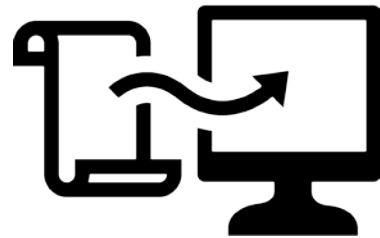
- The combined funding ceiling for BIM and ACT is HK\$3,000,000 per applicant
- CITF will bear a higher maximum ratio of 75% of the total costs of the Approved Project which involves the adoption of locally developed innovations or products
- In general, CITF will not fund the maintenance cost, office overheads, materials cost, consumables, spare parts, solutions, services and other administrative expenses incurred in the project



(A) Technology Adoption



Automated Equipment
[54.1%]



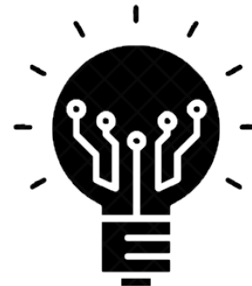
Digitised Construction Operation
[20%]



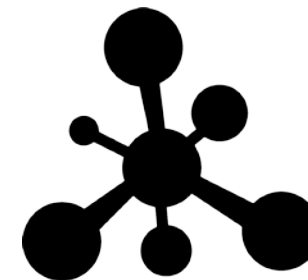
Robotics
[10.6%]



Internet of Things
[9.4%]



Advanced Technological Solutions
[4.7%]



Advanced Construction Material
[1.2%]




Pre-approved Lists

The screenshot shows a web application interface for 'Pre-Approved Lists'. At the top, a navigation menu includes 'About CITF', 'Funding Scope', 'Pre-Approved Lists' (highlighted with a red box), 'Application', 'Events and Support', and 'Contact us'. Below the navigation, a green button labeled 'Pre-Approved Lists' is highlighted with a red box, and a grey button labeled 'Application to the Pre-Approved Lists' is positioned below it. The main content area is titled 'Home > Pre-Approved Lists' and features three search panels: 'BIM Software', 'BIM Training Course', and 'Technologies'. Each panel contains a search input field with a magnifying glass icon and a 'Search' button, a dropdown menu currently set to 'All', and a second 'Search' button. Red rounded rectangles highlight each of these three search panels. Below the panels are large red numbers '1', '2', and '3' corresponding to the first, second, and third panels respectively. In the bottom right corner, there is a green diamond-shaped button with the text 'APPLY NOW'.



(A) **Technology Adoption**




	Project Adoption
Funding Mode	Co-fund with 70% grant from CITF at maximum
Funding Ceiling	<ol style="list-style-type: none">1. Consultant<ul style="list-style-type: none">• Support the Project Consultant to employ specialist MiC consultant – HK\$2,500,000 per applicant per project2. Contractor<ul style="list-style-type: none">• Purchase / rental to MiC specific construction plant – HK\$2,500,000 per applicant per project• Purchase / offsite production of MiC modules – HK\$5,000,000 per applicant per project



(A) Technology Adoption




	Project Adoption
Funding Mode	Financial subsidy for costs involved
Funding Ceiling	<p>1. Consultant</p> <ul style="list-style-type: none">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 <p>Remarks:</p> <ul style="list-style-type: none">Applicant shall provide evidence such as commencement of MiC module installation on site.The MiC project shall be a building project with buildings of 6 storeys or higher, with a minimum of 60% GFA on all typical floors, and with a minimum GFA of 5,000m² in MiC for which the installation of MiC modules commenced on site after 1 July 2020



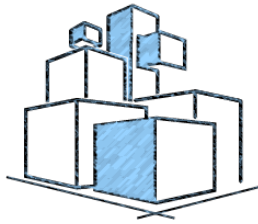
(A) Technology Adoption



	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	<ol style="list-style-type: none">1. Consultant<ul style="list-style-type: none">• 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



(A) Technology Adoption



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

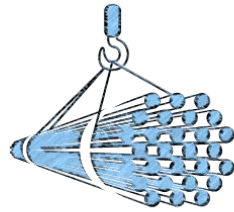
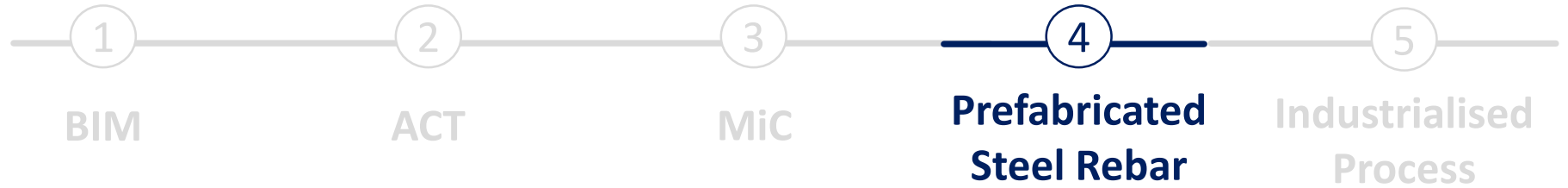
Funding Ceiling

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
- 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



(A) Technology Adoption



Project Adoption

Funding Mode

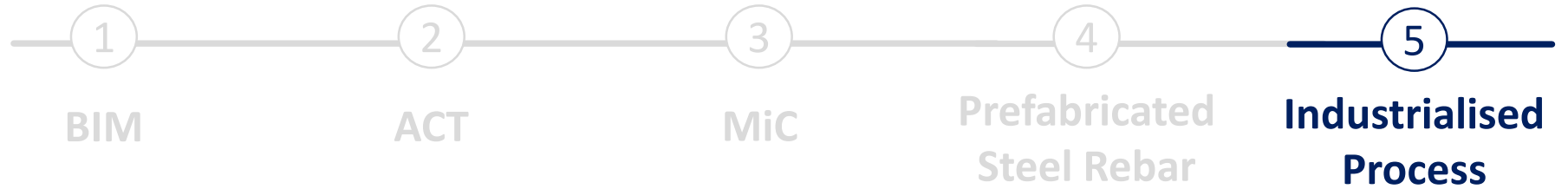
Cash rebate **HK\$300**/tonne

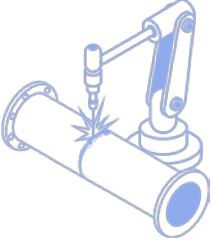
Funding Ceiling

HK\$5,000,000 per application per project



(A) Technology Adoption



	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\$3,000,000 funding ceiling for BIM and ACT.



Manpower Development



**Non-local Enrichment
Courses for Students**



**Non-local Training /
Visits for
Practitioners**



**International
Conferences in HK**



**Local Collaborative
Courses**



Manpower Development



Local Higher Education Institutions



Professional Institutions



Trade Associations



Labour Unions

Target Beneficiaries:



Professionals, Technicians,
Registered Skilled Workers,
Tertiary Students and
Academic Staff

Remarks:

For related enterprises, i.e. enterprises with different business registration certificates but having the **same individual(s) holding 30% or more ownership**, they would be **treated as one single enterprise** in counting the funding ceiling per company



(B) Manpower Development

6

Non-local Enrichment Courses for Students

7


Non-local Training / Visits for Practitioners

8

International Conferences in HK

9

Local Collaborative Courses

	<p>Target beneficiaries</p> <ul style="list-style-type: none">• Full time undergraduates / postgraduates in construction related disciplines
Eligible Applicants	Local higher education institutions
Funding Mode	Reimbursement
Funding Scope	<ul style="list-style-type: none">• Training fees• Accommodation and air passage for the duration of training• Logistical expenses (such as local transport at the visiting country/city)• Administration fees
Funding Ceiling	HK\$100,000 per student (A student can only be supported once by the CITF for non-local course)

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



(B) Manpower Development




	<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</p>
<p>Funding Scope</p>	<ul style="list-style-type: none"> • Training fees • Logistical expenses (such as local transport at the visiting country/city) • Administration 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



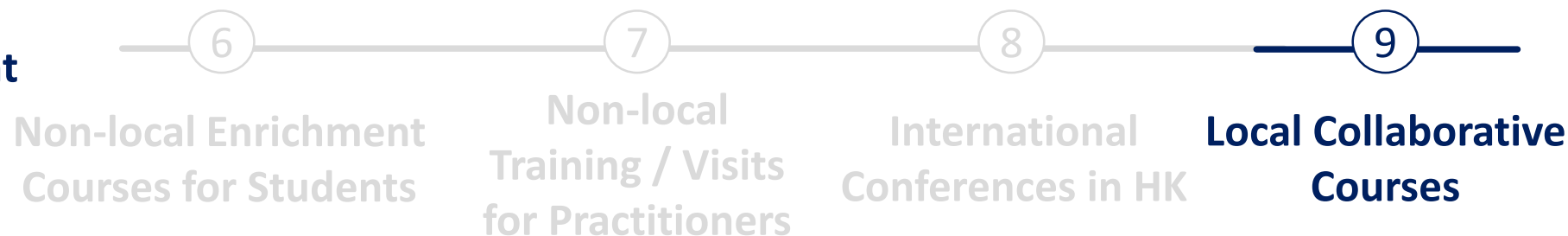
(B) Manpower Development

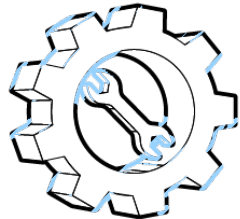


	<p>Target beneficiaries</p> <ul style="list-style-type: none"> • Professionals • Technicians • Tertiary students • Academic staff
<p>Eligible Applicants</p>	<ul style="list-style-type: none"> • Local higher education institutions • Professional institutions • Trade associations • Unions
<p>Funding Mode</p>	<p>Reimbursement</p>
<p>Funding Scope</p>	<ul style="list-style-type: none"> • Costs of the venue • Air passage and accommodation for speakers • Administration fees for organising the event
<p>Funding Ceiling</p>	<ul style="list-style-type: none"> • HK\$1,000,000 per conference



(B) Manpower Development



	<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
<p>Funding Mode</p>	<p>Reimbursement</p>
<p>Funding Scope</p>	<ul style="list-style-type: none"> • Costs of the venue • Air passage and accommodation for speakers • Administration fees for organising the event
<p>Funding Ceiling</p>	<ul style="list-style-type: none"> • HK\$300,000 per course





Application



Required Documents for Application

1. Business Registration (BR) Certificate
2. Latest Annual Return (NAR1)
3. One Bank Statement issued in the last 3 months

(showing the account holder's name and account number)



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)



Report submission and fund disbursement according to CITF requirements

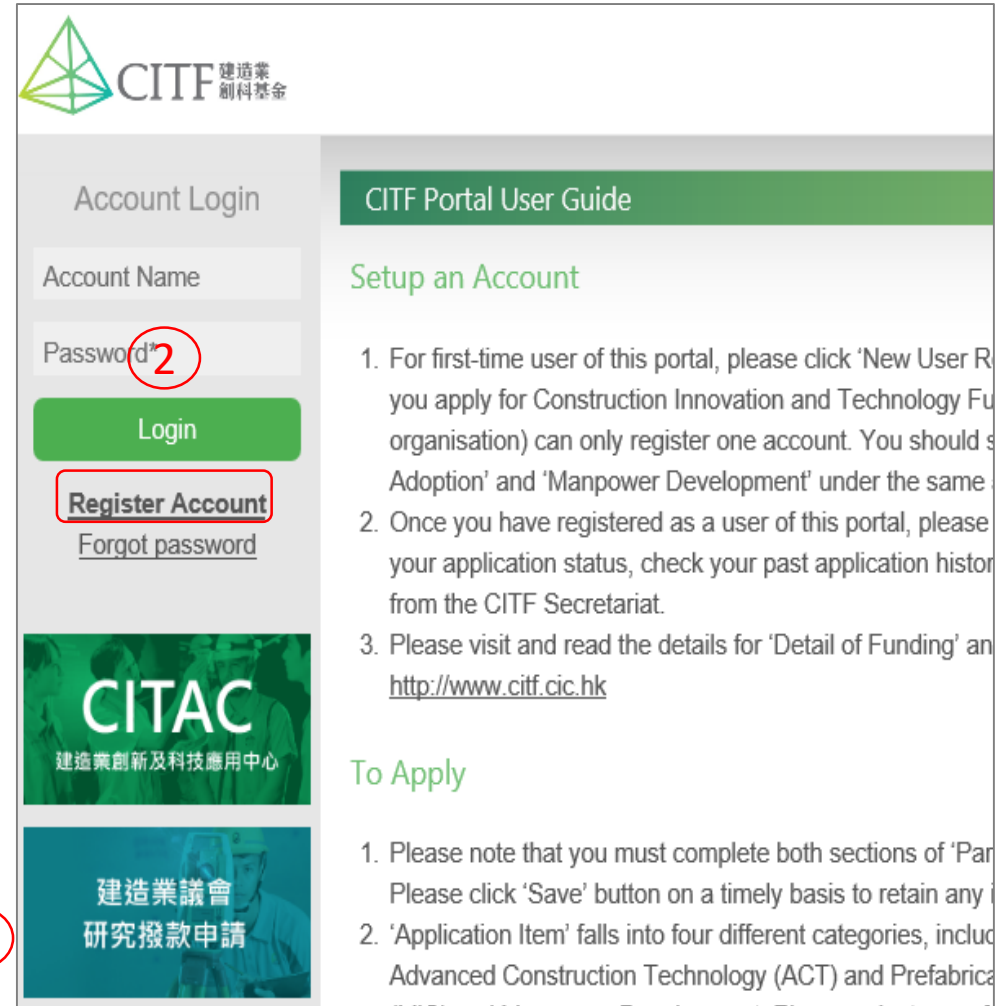


How to create an account at CITF Application Portal

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

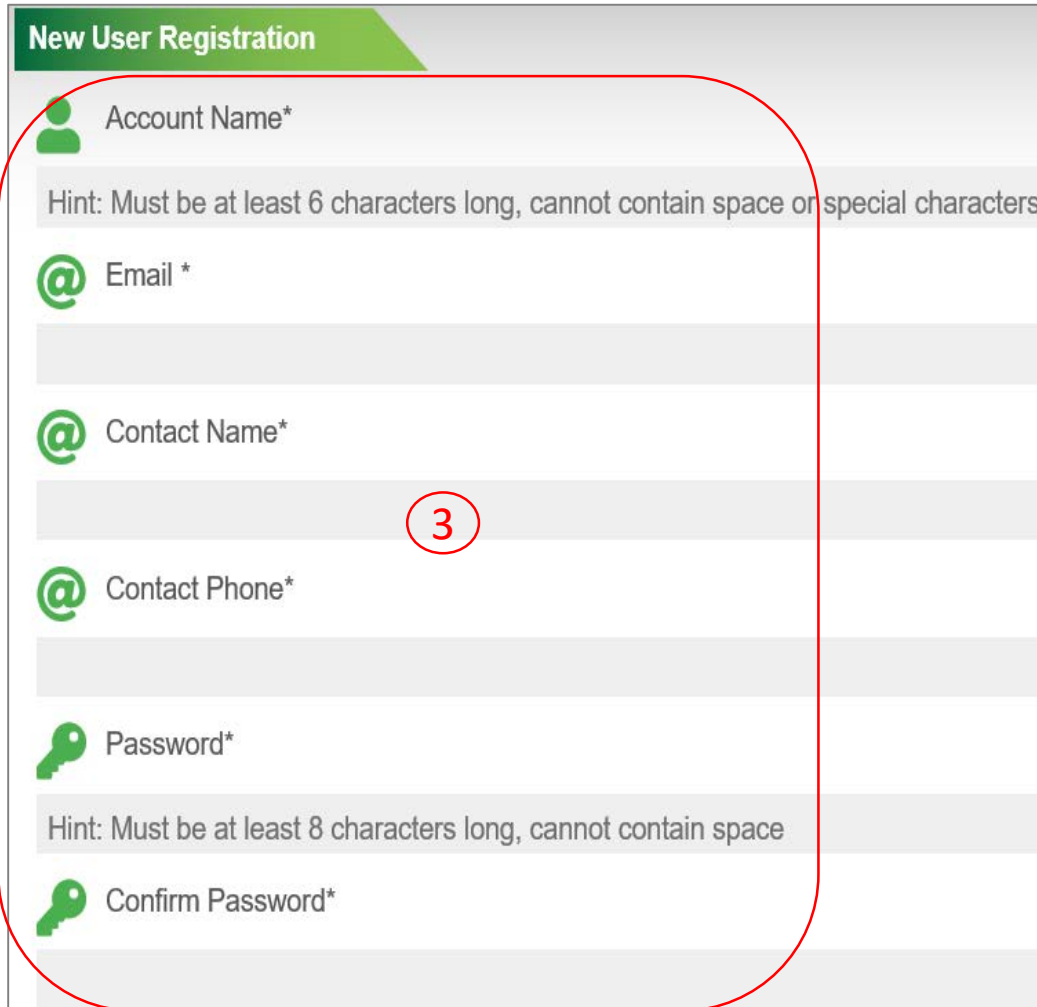


Each applicant can register one account only



How to apply

Fill in the blanks 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*

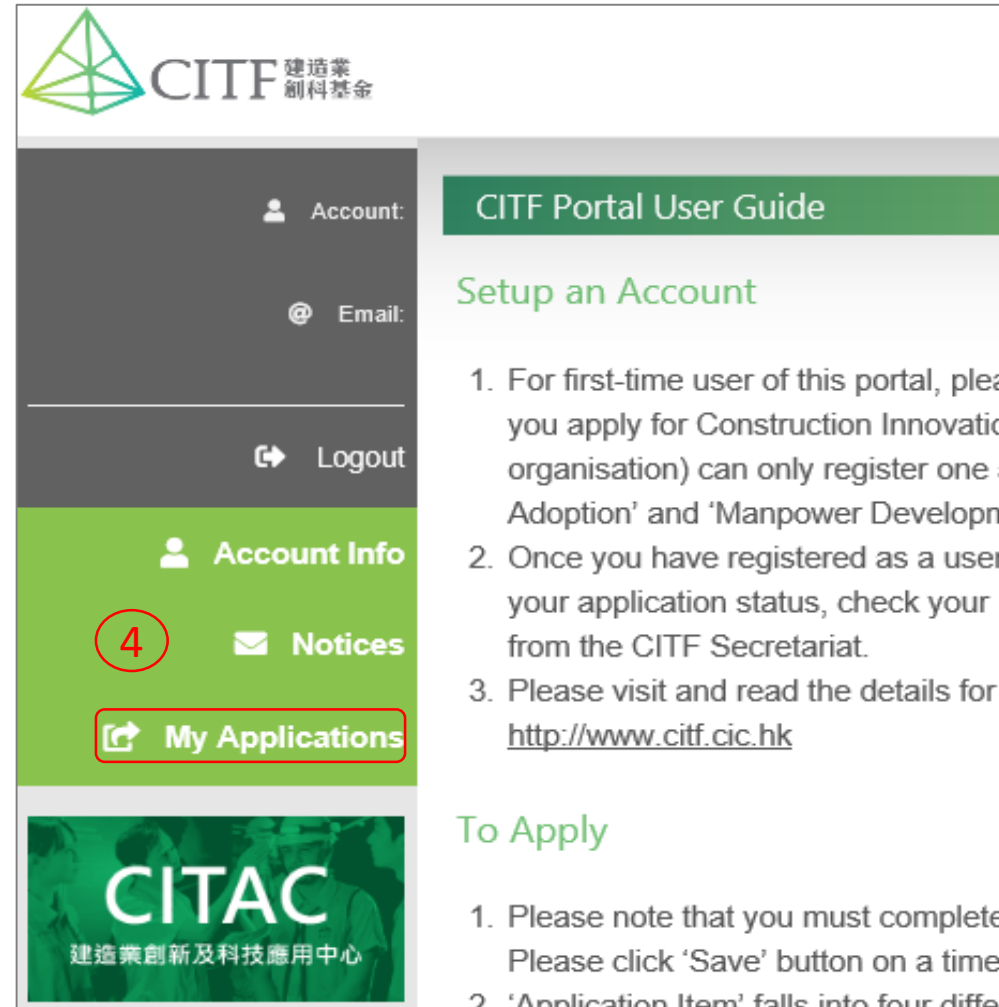
Contact Phone*

Password*

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

Confirm Password*

A red circle with the number 3 is placed over the Contact Name field.



CITF 建造業
創科基金

Account:

Email:

Logout

Account Info

Notices

My Applications

CITAC
建造業創新及科技應用中心

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

To Apply

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

A red circle with the number 4 is placed over the Notices link.



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 ✓

Next



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	



Required Documents for Disbursement

1. Quotation
2. Purchase order / Contract
3. Invoice
4. Delivery note / record
5. Receipt
6. Bank transfer record





Application Demo



Experiential Use & Project Adoption

Building Information Modelling (BIM)

Application Types

Please select the type of application (multiple selection)

1) BIM Training - Pre-approved List (Refer to CITF Website)

2) BIM Training - In-house BIM Training by External Trainer

3) Experiential Use of BIM Technology

4) Adoption of BIM in Local Projects



Next

Fill in the corresponding information

Building Information Modelling (BIM)

Experiential Use of BIM Technology

BIM Software – Pre-approved List, if applicable (Refer to CITF website):

 Add

Product 1

 Remove

Pre-approved Item Code:

Product Name:

Unit Costs (HKD):

No. of units:

Total (HKD):

Please upload quotations

Please drop your file here.

- For aggregate value of which does not exceed HK\$50,000, please provide at least one quotation;
- For aggregate value of which is more than HK\$50,000 but not over HK\$200,000, please provide at least two quotations;
- For aggregate value of which is more than HK\$200,000, please provide at least three quotations.



Construction Project Information

Construction Project information Add

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

Contract Date: Start Date: End Date:

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

Project Manager

Name: * Phone: * Email: *

Project Site Representative

Name: * Phone: * Email: *

SAVE



Tips for CITF Application

- 1) No retrospective approval Principle
- 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/contact 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



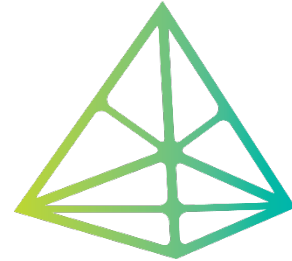


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[citf.cic.hk](https://www.citf.cic.hk)

