



CONSTRUCTION INDUSTRY COUNCIL  
建造業議會

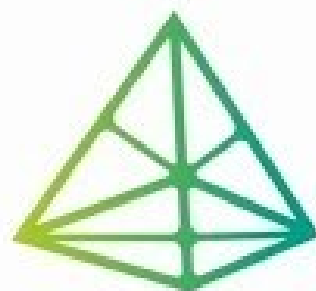
# Construction Innovation and Technology Fund (CITF)



# 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

# CITF Video



CITF 建造業  
創科基金

 [852] 2100 9000

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



發展局  
Development Bureau



CONSTRUCTION INDUSTRY COUNCIL  
建造業議會

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免責聲明

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# 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

# Latest News

- 1) Flexibility under “No Retrospective Approval” Principle
- 2) Increasing the funding ceiling of “Prefabricated Steel Rebar”
- 3) Refinements to funding arrangements under “Manpower Development”
- 4) “Disbursement Request” function is available now in the CITF e-Portal

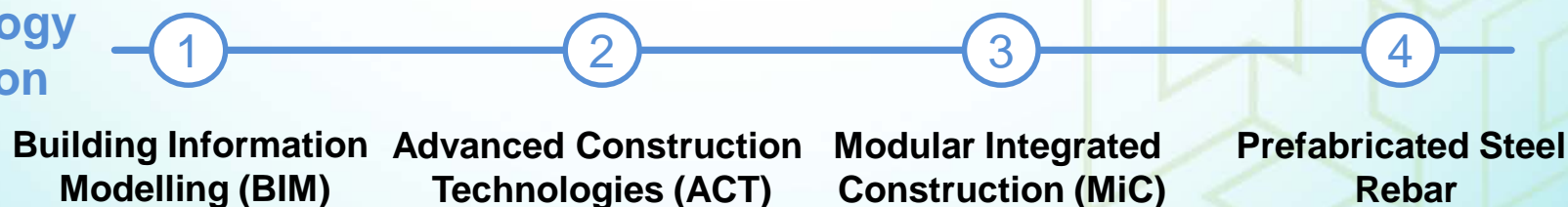
# Flexibility under “No Retrospective Approval” Principle

- Expenses incurred before submitting CITF application will not be reimbursed
- Proceed to commit expenditure at the lowest quotation submitted to the CITF Secretariat upon submitting the CITF application. However, **applicants shall do this at their own risks in case the application is turned out being rejected in whole or in part**

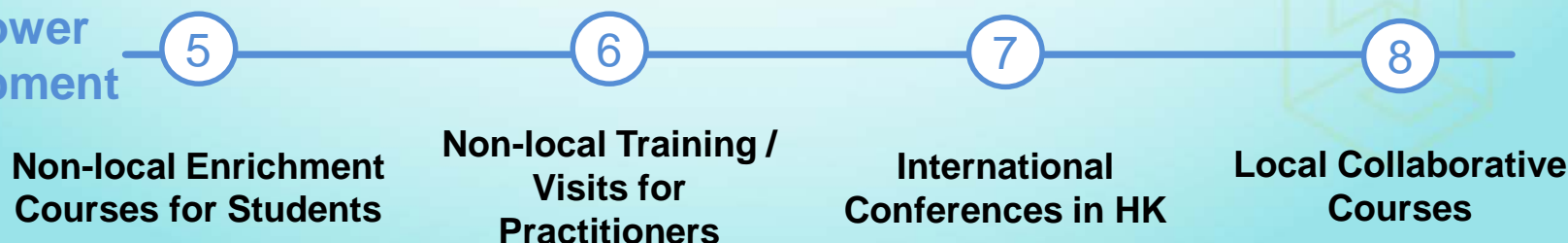
# Categories of Funding



## (A) Technology Adoption



## (B) Manpower Development



# Technology Adoption



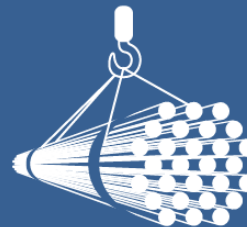
**Building Information  
Modelling (BIM)**



**Advanced Construction  
Technologies (ACT)**

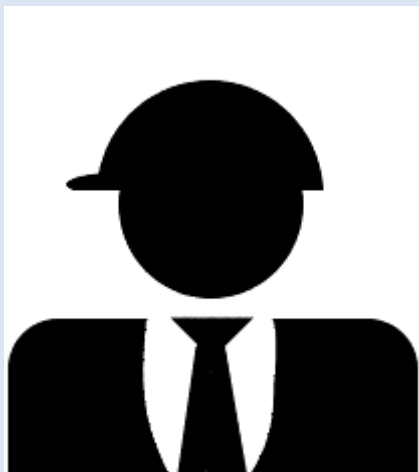


**Modular Integrated  
Construction (MiC)**



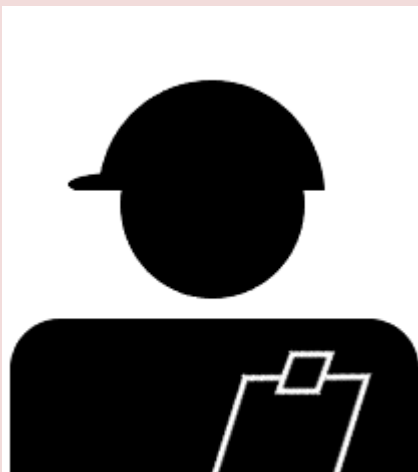
**Prefabricated Steel Rebar**

# Technology Adoption - Eligibility



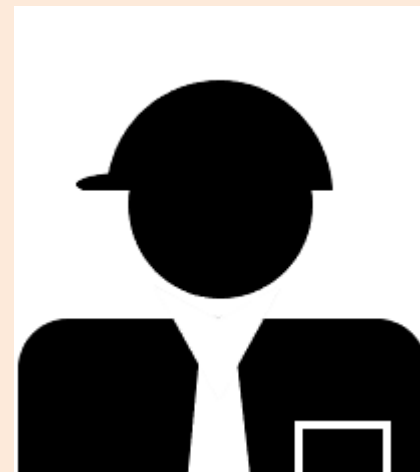
## Construction Levy-paying Contractors

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

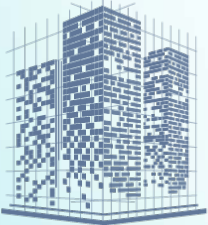


**Building Information Modelling (BIM)**

**Advanced Construction Technologies (ACT)**

**Modular Integrated Construction (MiC)**

**Prefabricated Steel Rebar**

	Training	Experiential Use and Project Adoption
Funding mode	Cash rebate	Co-fund with 70% grant from CITF at maximum
Funding Ceiling	HK\$200,000 per applicant  Remarks: <ul style="list-style-type: none"> <li>Each person enrolling training is entitled to HK\$3,000 per course at maximum</li> </ul>	HK\$600,000 per applicant  Remarks: <ul style="list-style-type: none"> <li>Experiential use is capped at maximum HK\$200,000</li> <li>Each computer at maximum HK\$21,000</li> <li>Computers subsidised by CITF are required to install BIM software and be used for this purpose</li> <li>BIM software license period up to 3 years</li> </ul>

## (A) Technology Adoption

1

Building Information  
Modelling (BIM)

2

Advanced  
Construction  
Technologies (ACT)

3

Modular Integrated  
Construction (MiC)

4

Prefabricated Steel  
Rebar

### Scenario 1: Project adoption application

Item	Lowest Bid Quotation	Funding Mode	CITF Grant
BIM Software A	HK\$ 43,000	<ul style="list-style-type: none"><li>Co-fund with 70% grant</li><li>Each computer cap at HK\$ 21,000</li></ul>	HK\$ 30,100
Computer (Desktop/Laptop)	HK\$ 32,000		HK\$ 21,000
Total Cost:	HK\$ 75,000	<b>CITF Grant (Final):</b>	<b>HK\$ 51,100</b>

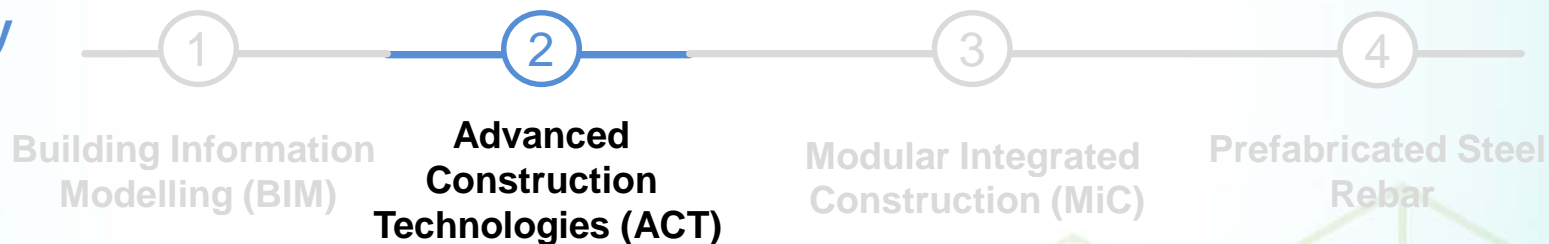
**Cost to be borne by the applicant: HK\$ 23,900**


### Scenario 2: Experiential use application

Item	Lowest Bid Quotation	Funding Mode	CITF Grant
BIM Software B (7 Qty)	HK\$ 350,000	<ul style="list-style-type: none"><li>Experiential use is capped at HK\$ 200,000</li></ul>	HK\$ 200,000
Total Cost:	HK\$ 350,000	<b>CITF Grant (Final):</b>	<b>HK\$ 200,000</b>

**Cost to be borne by the applicant: HK\$ 150,000**

## (A) Technology Adoption

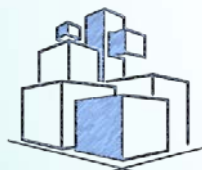
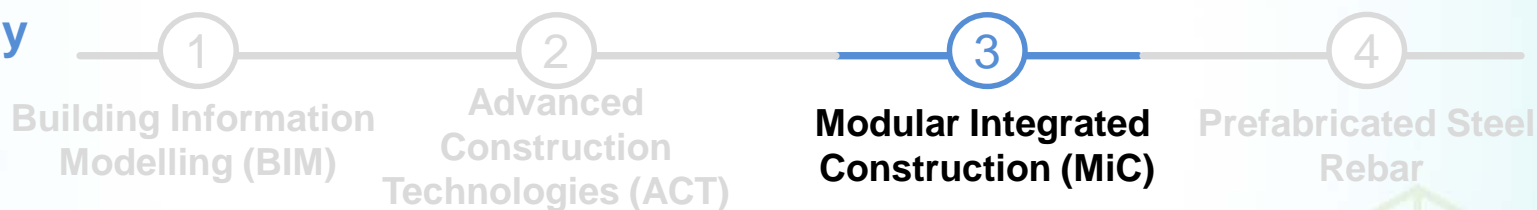


	<b>Project Adoption</b>
Funding Mode	Co-fund with 70% grant from CITF at maximum
Funding Ceiling	HK\$800,000 per technology (Applicants may refer to the “Pre-approved List – Technologies” on the latest product and technology information)

### Remarks:

- The combined funding ceiling for BIM and ACT is HK\$3,000,000 per applicant
- Applicants can submit multiple applications within the funding ceiling
- 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

# (A) Technology Adoption



## Project Adoption

Funding Mode

Co-fund with 70% grant from CITF at maximum

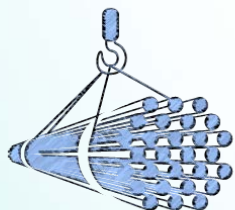
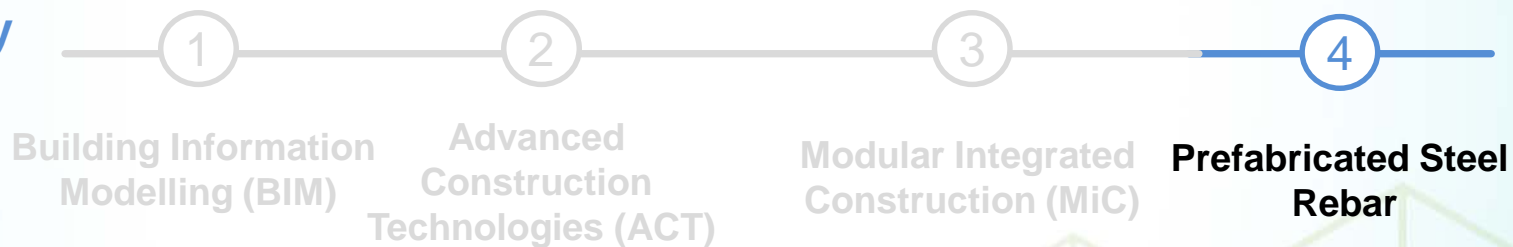
Funding Ceiling

1. Consultant
  - Support the Project Consultant to employ specialist MiC consultant – HK\$2,500,000 per applicant per project
2. Contractor
  - 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

Remarks:

- Overall funding ceiling is HK\$7,500,000 per project (if the applicant is a contractor) / HK\$2,500,000 per project (if the applicant is a consultant)

## (A) Technology Adoption



### Project Adoption

Funding Mode	Cash rebate <b>HK\$200</b> /tonne
Funding Ceiling	<b>HK\$3,000,000</b> per application per project

# Manpower Development



**Non-local Enrichment  
Courses for Students**



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



**International  
Conferences in HK**



**Local Collaborative  
Courses**

# Manpower Development - Eligibility



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

5

Non-local Enrichment  
Courses for Students

6

Non-local Training /  
Visits for  
Practitioners

7

International  
Conferences in HK

8

Local Collaborative  
Courses



Target beneficiaries

- Full time undergraduates / postgraduates in construction related disciplines

Eligible Applicants

Local higher education institutions

Funding Mode

Reimbursement

Funding Scope

- 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

5

Non-local Enrichment  
Courses for Students

6

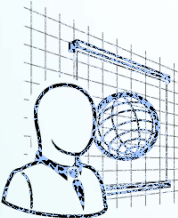
Non-local Training /  
Visits for  
Practitioners

7

International  
Conferences in HK

8

Local Collaborative  
Courses

	<p>Target beneficiaries</p> <ul style="list-style-type: none"><li>• Professionals</li><li>• Technicians</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
Funding Scope	<ul style="list-style-type: none"><li>• Training fees</li><li>• <b>Logistical expenses (such as local transport at the visiting country/city)</b></li><li>• Administration fees</li></ul>
Funding Ceiling	HK\$20,000 per person per course

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

## (B) Manpower Development

5

Non-local Enrichment  
Courses for Students

6

Non-local Training /  
Visits for  
Practitioners

7

International  
Conferences in HK

8

Local Collaborative  
Courses



Target beneficiaries

- Professionals
- Technicians
- Tertiary students
- Academic staff

Eligible Applicants

- Local higher education institutions
- Professional institutions
- Trade associations
- Unions

Funding Mode

Reimbursement

Funding Scope

- Costs of the venue
- Air passage and accommodation for speakers
- Administration fees for organising the event

Funding Ceiling

- **HK\$1,000,000** per conference

## (B) Manpower Development

5

Non-local Enrichment  
Courses for Students

6

Non-local Training /  
Visits for  
Practitioners

7

International  
Conferences in HK

8

Local Collaborative  
Courses



Target beneficiaries

- Professionals
- Technicians
- Registered Skilled Workers
- Tertiary students
- Academic staff

Eligible Applicants

- Local higher education institutions
- Professional institutions
- Trade associations
- Unions

Funding Mode

Reimbursement

Funding Scope

- Costs of the venue
- Air passage and accommodation for speakers
- Administration fees for organising the event

Funding Ceiling

- **HK\$300,000** per course

# Application



# Application



Create an account at CITF  
Application Portal via CITF website  
[www.citf.cic.hk](http://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**)

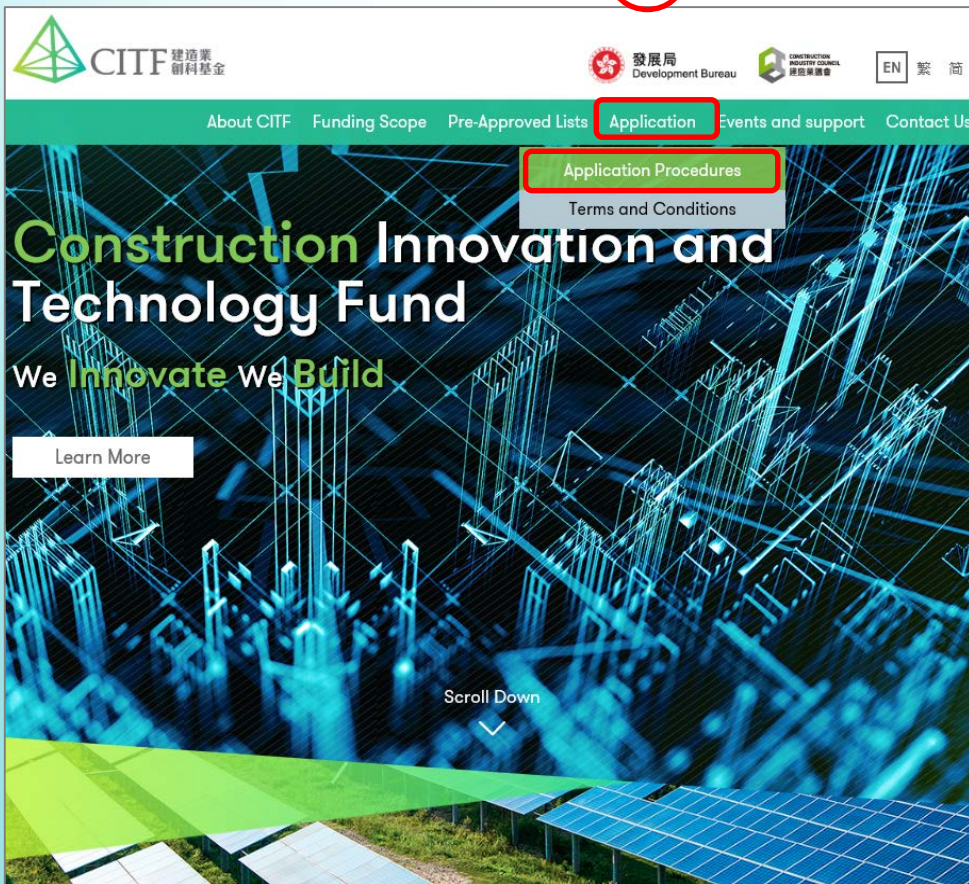


Report submission and fund  
disbursement according to CITF  
requirements

# How to create an account at CITF Application Portal

Log in at CITF website [www.citf.cic.hk](http://www.citf.cic.hk)

1



Home > Application

## Application Procedures



01

Create an account at  
**CITF Application Portal** via CITF  
website [www.citf.cic.hk](http://www.citf.cic.hk)



02

Read the  
**User Guide and prepare all  
required documents**



03

Complete and Submit Online  
Application Form in CITF  
Application Portal



04

Vet Application by the CIC



05

Notify application result

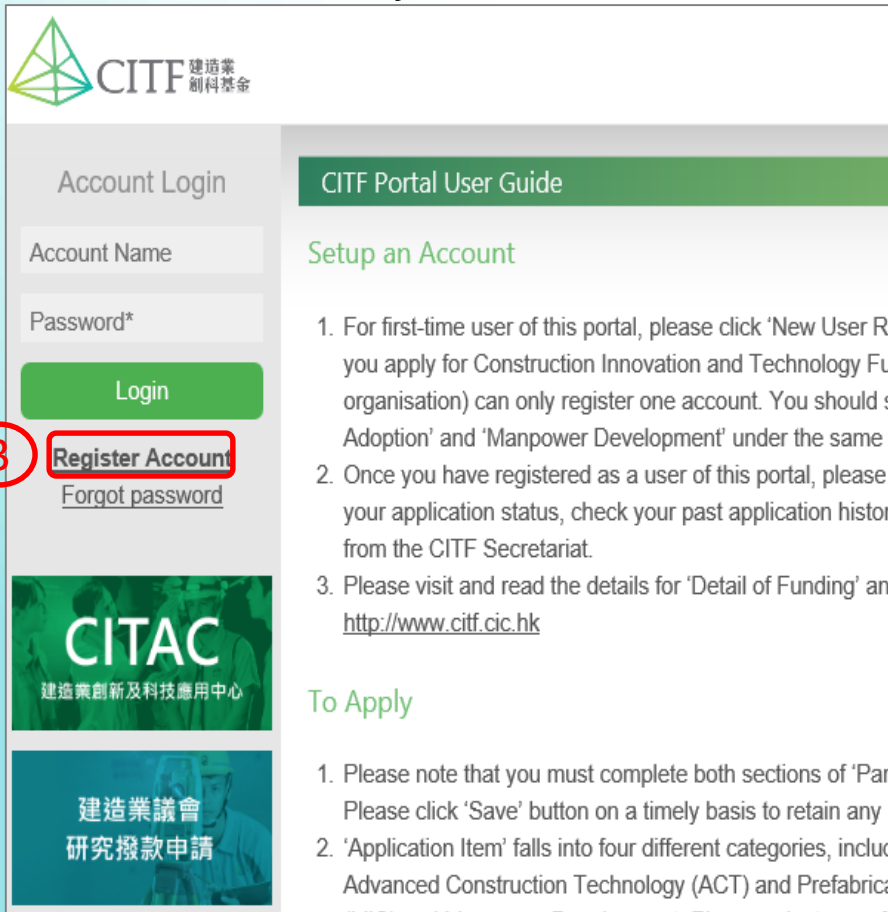


06

Report submission and fund  
disbursement according to CITF  
requirements

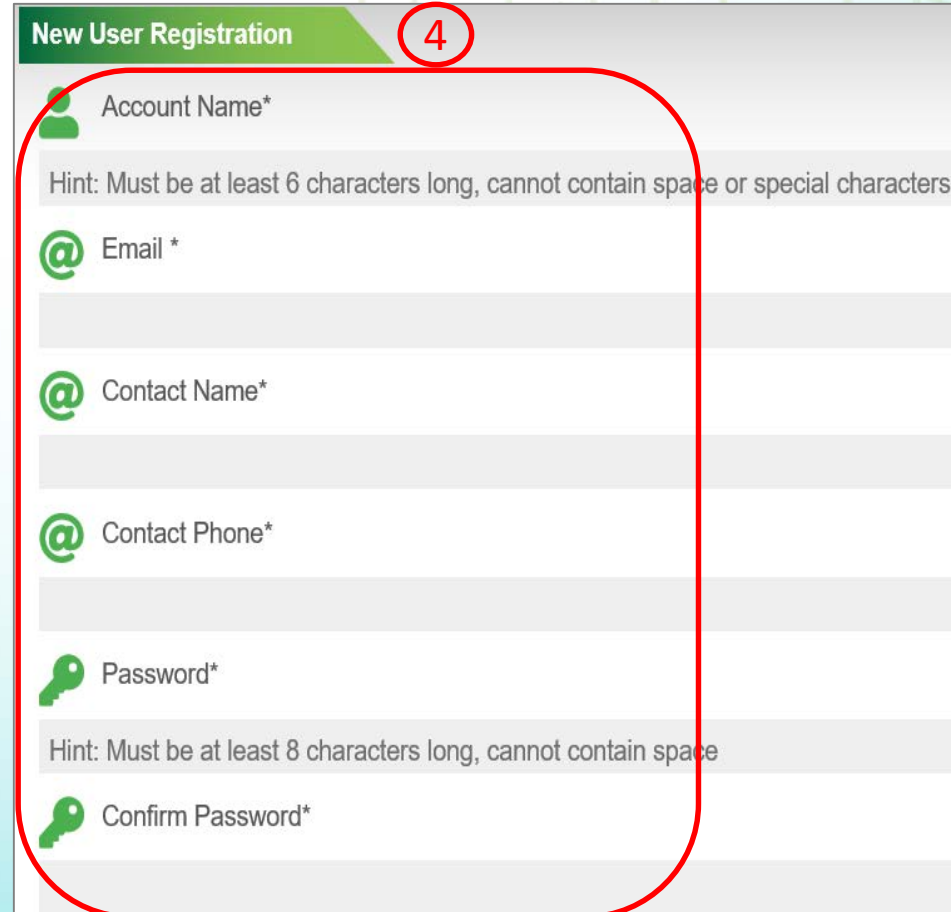
# How to create an account at CITF Application Portal

Each applicant can register one account only



The image shows the CITF Portal User Guide. On the left, there is a sidebar with the CITF logo (a green triangle) and the text 'CITF 建造業 創科基金'. Below the logo, there is a section for 'Account Login' with fields for 'Account Name' and 'Password\*', a green 'Login' button, and a red box labeled '3' containing a red 'Register Account' button and a 'Forgot password' link. Below the login section, there is a green banner for 'CITAC 建造業創新及科技應用中心' and a blue banner for '建造業議會 研究撥款申請'. The main content area has a green header 'CITF Portal User Guide' and a section 'Setup an Account' with three numbered steps: 1. For first-time user of this portal, please click 'New User R... you apply for Construction Innovation and Technology Fu... organisation) can only register one account. You should s... Adoption' and 'Manpower Development' under the same... 2. Once you have registered as a user of this portal, please... your application status, check your past application histor... from the CITF Secretariat. 3. Please visit and read the details for 'Detail of Funding' an... <http://www.citf.cic.hk>. Below the steps, there is a section 'To Apply' with two numbered steps: 1. Please note that you must complete both sections of 'Par... Please click 'Save' button on a timely basis to retain any i... 2. 'Application Item' falls into four different categories, includ... Advanced Construction Technology (ACT) and Prefabrica...

Fill in the blanks to create an account



The image shows the 'New User Registration' form. It has a green header 'New User Registration' and a red box labeled '4' around the registration fields. The fields are: 'Account Name\*' with a hint 'Must be at least 6 characters long, cannot contain space or special characters'; 'Email \*'; 'Contact Name\*'; 'Contact Phone\*'; 'Password\*' with a hint 'Must be at least 8 characters long, cannot contain space'; and 'Confirm Password\*'. Each field has a corresponding icon: a person for Account Name, an '@' for Email, a person for Contact Name, a person for Contact Phone, a key for Password, and a key for Confirm Password.

# How to apply

6

 **CITF** 建造業  
創科基金

Account:  
Email:  
Logout

Account Info

5 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 under '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 the application form. Please click 'Save' button on a time-to-time basis.
2. 'Application Item' falls into four different categories:

In Review	Rejected	Completed	New Application
Type	Last Updated		

# Select the type of application

Basic Information

Type of application

7

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


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創科基金



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 ▾

 **CITF** 建造業  
創科基金



Status: All Draft In Review Approved Completed **New Application** 9

Applications	Status	Action
<u>A00000-B0000</u> Application Types: BIM Internal Application No.: 00000000 Last Updated: 2019-02-28 10:00:00	Approved	Action ▾ <ul style="list-style-type: none"><li>Construction Project information</li><li><b>Disbursement Request</b></li></ul>

# 預先批核名單

Home > Pre-Approved Lists

## Pre-Approved Lists

BIM Software

(1)

BIM Training Course

(2)

Technologies

(3)

DISCLAIMER: All information set out in the Pre-approved Lists of the Construction Innovation and Technology Fund (CITF) is provided to the Construction Industry Council by third party suppliers or service providers on the Pre-approved Lists of their own accord and no part of the information has been checked or verified by the Construction Industry Council. The Pre-approved Lists are prepared for reference purposes only and are not intended for marketing or advertising purposes. CITF applicants may submit their CITF applications by selecting one or more items of the BIM software, BIM training courses or technologies set out in the Pre-approved Lists. CITF applicants must note that there is no guarantee that any application would be approved under the CITF. All applications will be reviewed and approved by the CITF Vetting Sub-Committee on an individual basis. Decisions by the Construction Industry Council on the applications are final and are not subject to appeal.



## (1) BIM Software

### Pre-approved List – BIM Software

預先批核名單 – 建築信息模擬軟件

Code	Name of Company	Name of Software / Software package	Purchase / Subscription based	Content of Software/ Software package	Type of Software	Price		
						Quantity of user included in the software / software package	Years of subscription / Annual maintenance	Suggested Retail Price in Hong Kong (HK\$)
PBS18-001	Autodesk Inc	Advance Steel 2019 Commercial New ELD Subscription	Subscription	Advance Steel	BIM Steel detailing software for prefabrication	Single	1-year 2-year 3-year	\$14,479.00 \$28,958.00 \$43,437.00
						Multi	1-year 2-year 3-year	\$25,350.00 \$50,700.00 \$76,050.00

## (2) BIM Training Course

### Pre-approved List – BIM Training Course


預先批核名單 – 建築信息模擬培訓課程

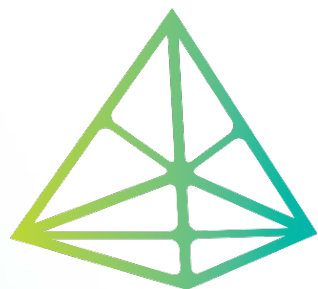
Code	Name of Course Organizer	Course Title	Duration	Hours/Mode	Assessment	Attendance	Fee (HK\$)
PBT18-001	Advanced Construction Information Development Ltd	CEII Architecture (Revit)	4 x 8 hrs / 8x 4 hrs.	32	FT/PT Coursework	80%	HKD10,550
PBT18-002	Advanced Construction Information Development Ltd	CEII BIM Management	4 x 8 hrs. / 6 x 5 hrs.	30	FT/PT Coursework	80%	HKD13,200

## (3) Technologies

### Pre-approved List – Technologies

預先批核名單 – 科技產品

Code 號碼	Technology 科技	Benefits 好處	Make and Model 供應商 / 型號	Product Description 產品描述	Photo 相片
PA18-001	Automated wireless sensors 自動無線感測器	Enhance productivity and safety for conducting monitoring and measurements 提高生產力及改善監測和測量工作安全	Wuxi Wisen Innovation Co. Ltd WISEMESHNET® System	In comparison with traditional wired measurement, the design of system is principally as (a) ultra low powered; (b) completely wireless mesh communication system; (c) minimum in size; (d) broadly compatible with different type of sensors, i.e. turn traditional sensors into self powered, wireless, automated wireless sensor network. It replaces traditional wired measurement in the midst of complicated excavation works which could be vulnerable and the repair for damaged cables are dangerous and the cost of the loss of real-time monitoring data is huge.  相比於傳統的有線測量，該系統的設計原則為 (a) 超低用電量；(b) 無線網狀通信系統；(c) 體積極細；(d) 廣泛與不同類型的感測器兼容，即將傳統感測器轉為自我供電、無線及自動化無線感測網絡。由於維修與更換電線及安裝受擾，而導致數據監察損失的成本巨大，因此它能夠在複雜挖掘工程中的傳統有線測量模式。	



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**(852) 2100 9000**



**(852) 2100 9090**



**enquiry@cic.hk**



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

# Thank You

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