

安全領導文化研討會

CIC Master Talk in
Safety Leadership Culture

18.9.2025

安全文化 由「你」開始

Safety starts with YOU !

要有新思維

Go an Extra Mile

做個堅實及鮮明的安全領導者
Visible and Committed Leadership

Ir Prof. Thomas Ho, FHKEng (院士)
Chairman, Construction Industry Council

ZERO FATALITY – ZERO HARM
Is this a Dream?

零事故 零死亡 零傷害
是否發白日夢?

“Complacency is the Biggest Enemy of Safety!”

自滿係安全嘅死敵！

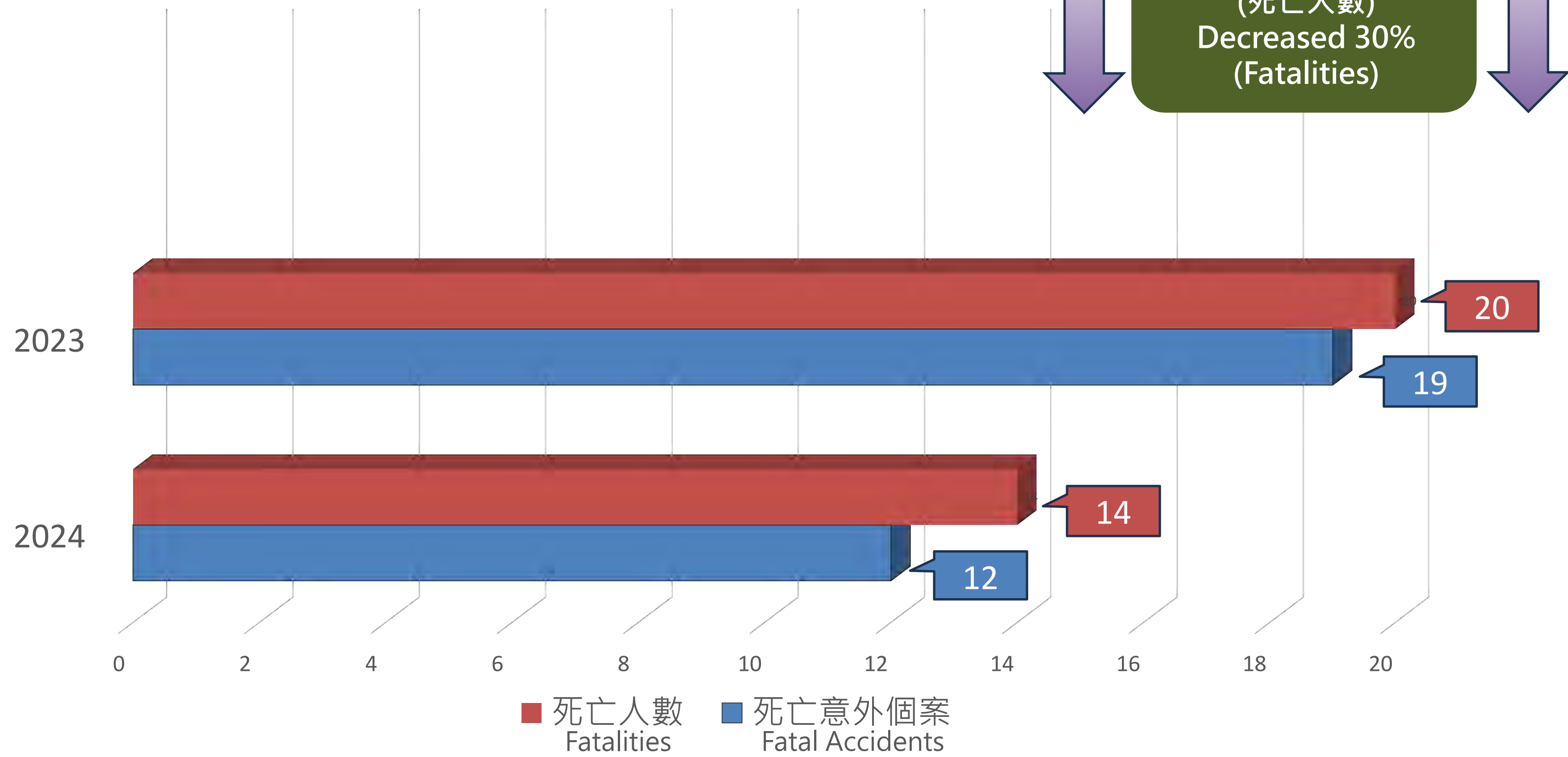
“Keep Fresh at All Times!”

時刻要保持警惕！



2023年及2024年建造業致命意外

Fatal Accidents in Construction Industry in 2023 and 2024



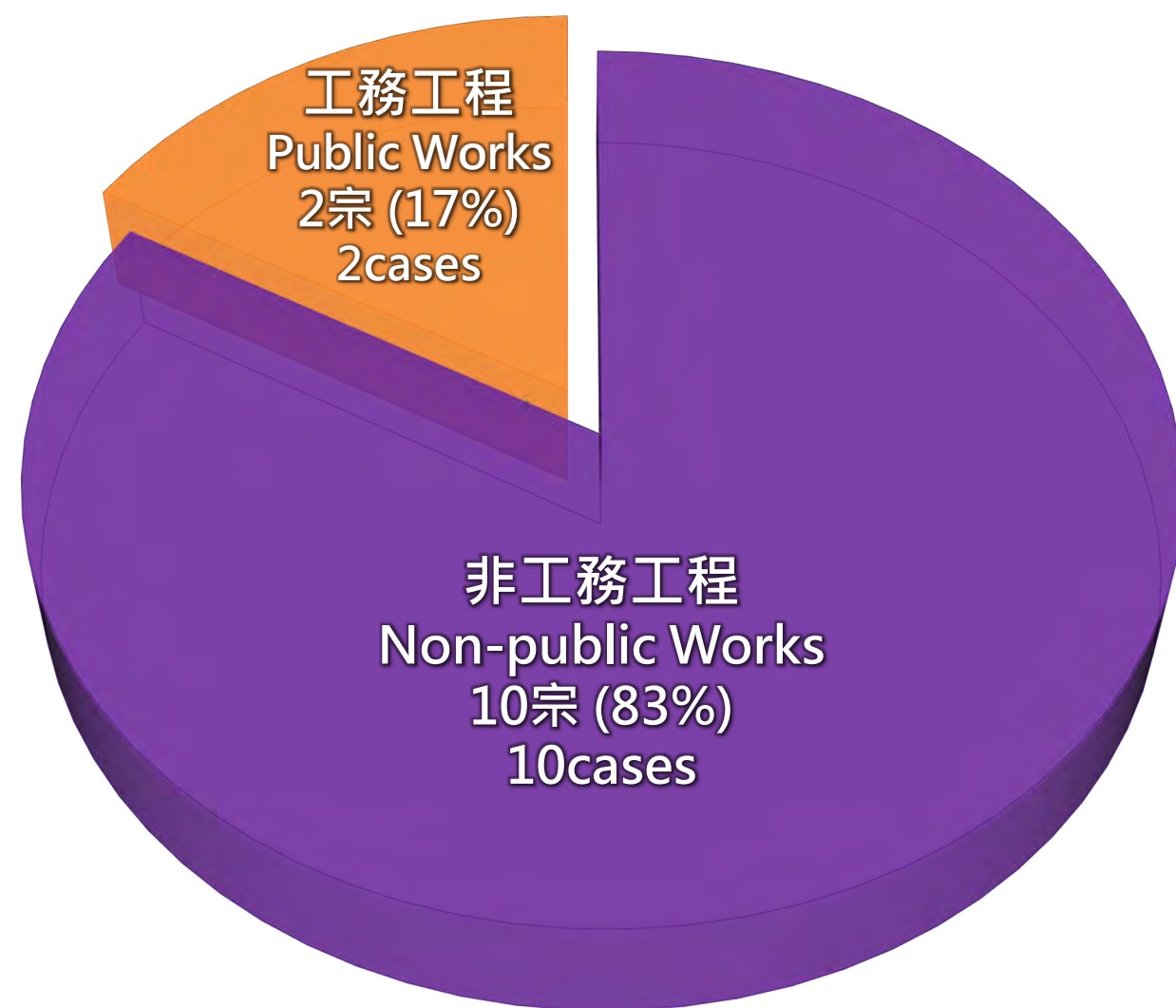
Note: The number of fatal accidents in 2024 was updated by the Labour Department at the beginning of May 2025



2024建造業致命意外數據分析 Fatal Accidents in the Construction Industry 2024

主題: 致命意外的工程類別和工程性質 Category of Works and Nature of Works

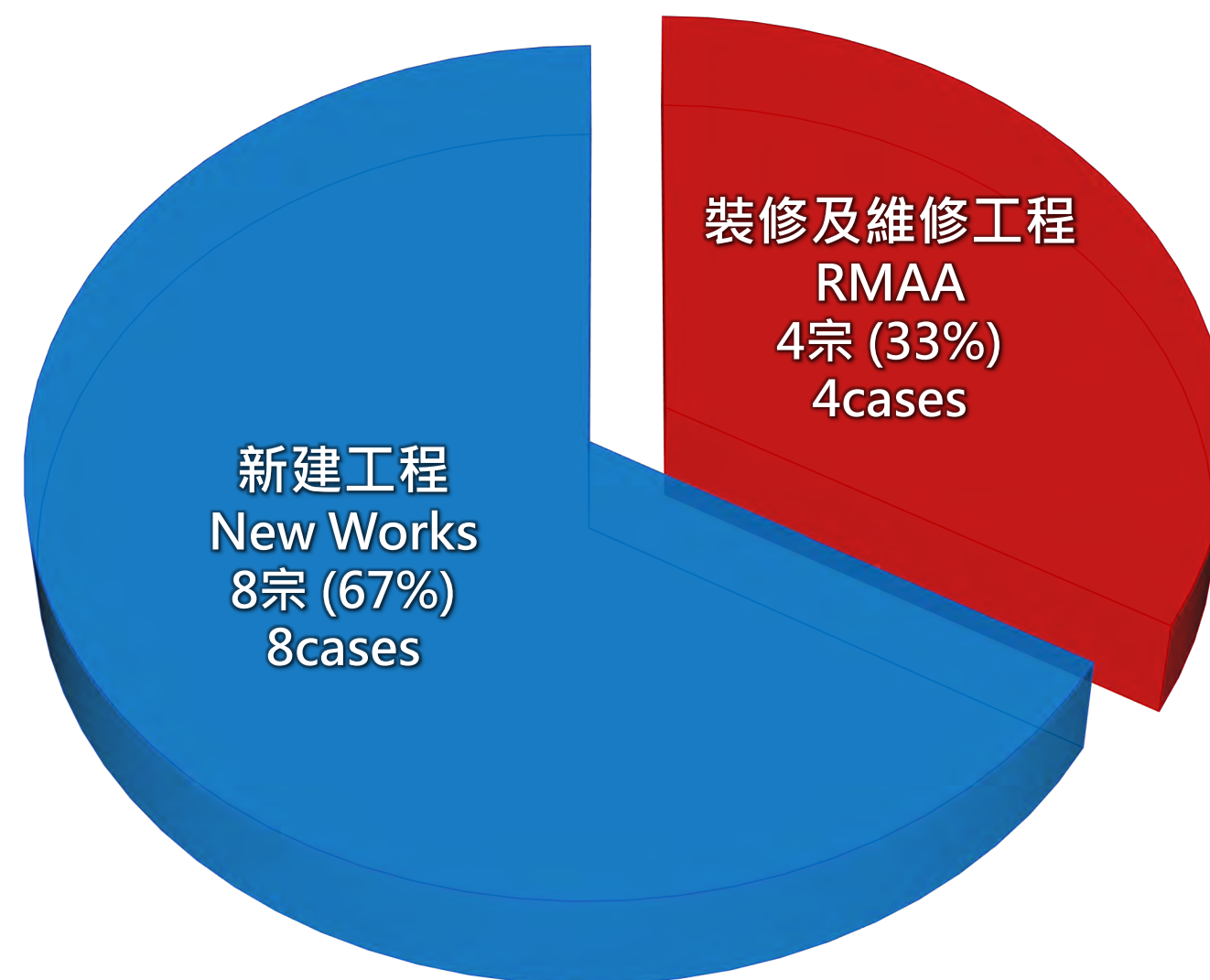
工程類別
Category of Works



■ 非工務工程
Non-public Works

■ 工務工程
Public Works

工程性質
Nature of Works



■ 裝修及維修工程
RMAA

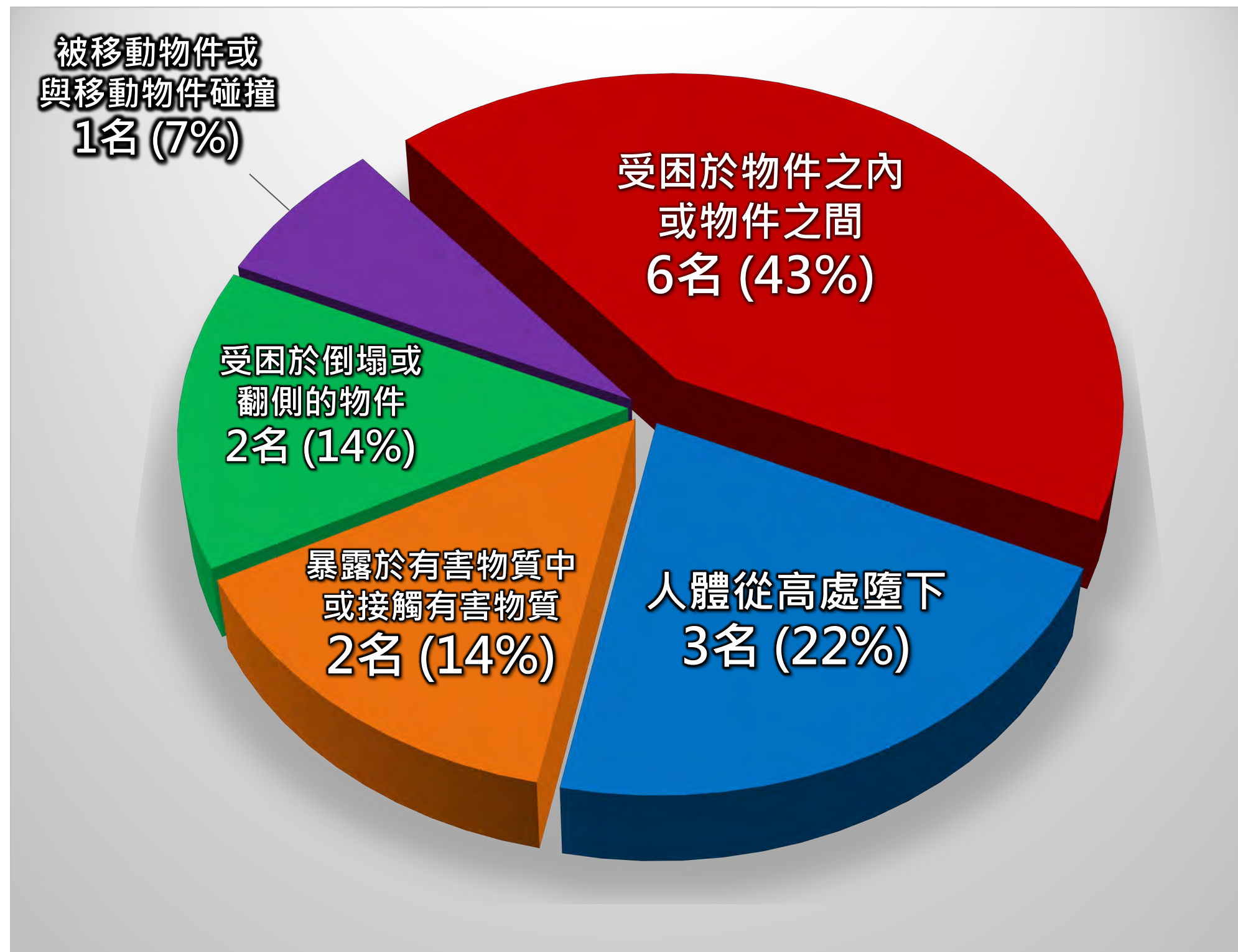
■ 新建工程
New Works



2024建造業致命意外數據分析 Fatal Accidents in the Construction Industry 2024

主題: 致命意外類別 Nature of Fatal Accidents

2024建造業致命意外類別 Nature of Fatal Accidents



2024建造業致命意外數字
Fatalities in Construction Industry 2024

	受困於物件之內或物件之間	6
	Trapped in or Between Objects	
	人體從高處墮下	3
	Fall of Person from Height	
	暴露於有害物質中或接觸有害物質	2
	Exposure to or Contact with Harmful Substance	
	受困於倒塌或翻側的物件	2
	Trapped by Collapsing or Overturning Object	
	被移動物件或與移動物件碰撞	1
	Striking Against or Struck by Moving Object	

死亡人數合共 Total Fatalities: 14



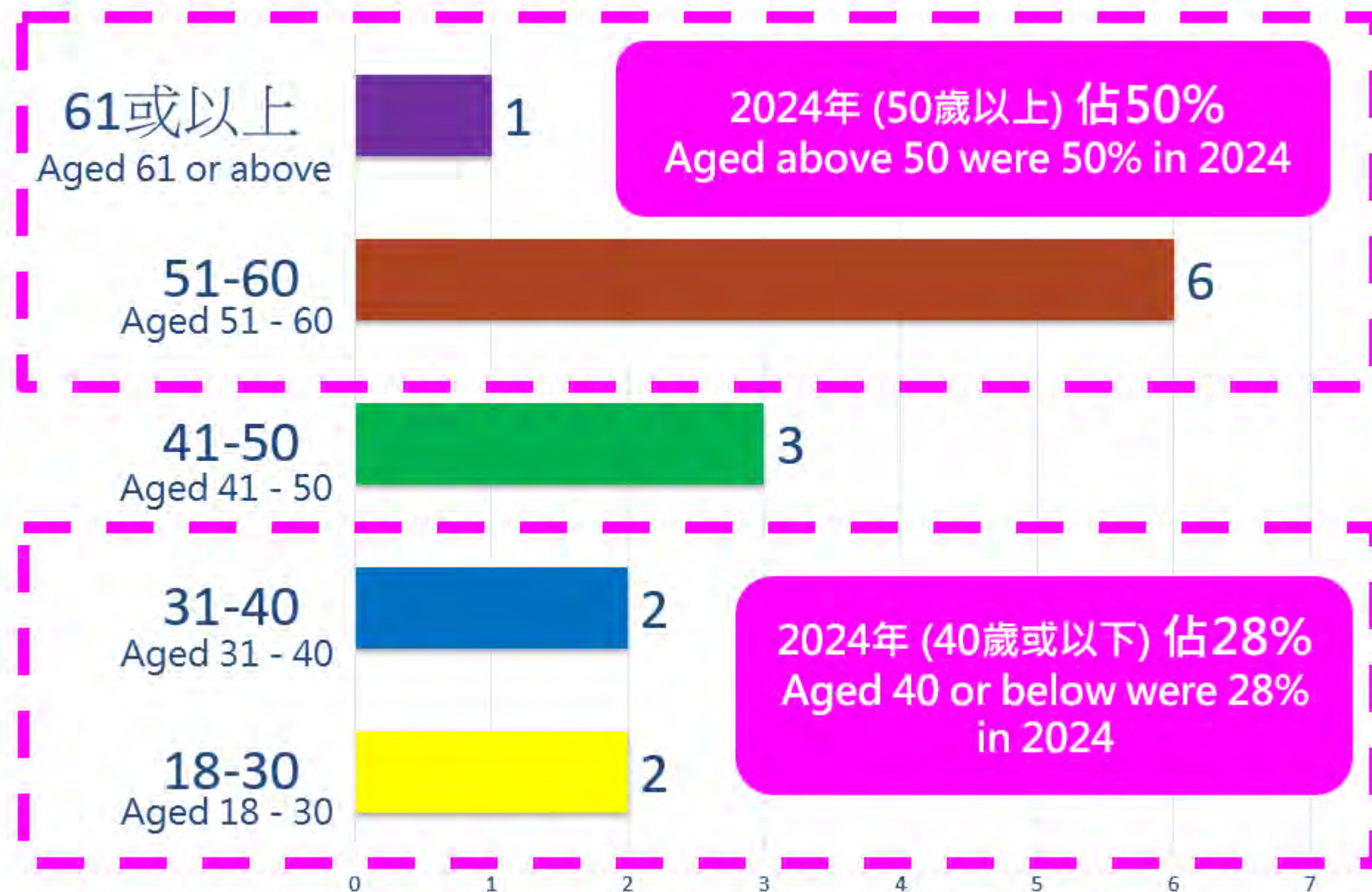
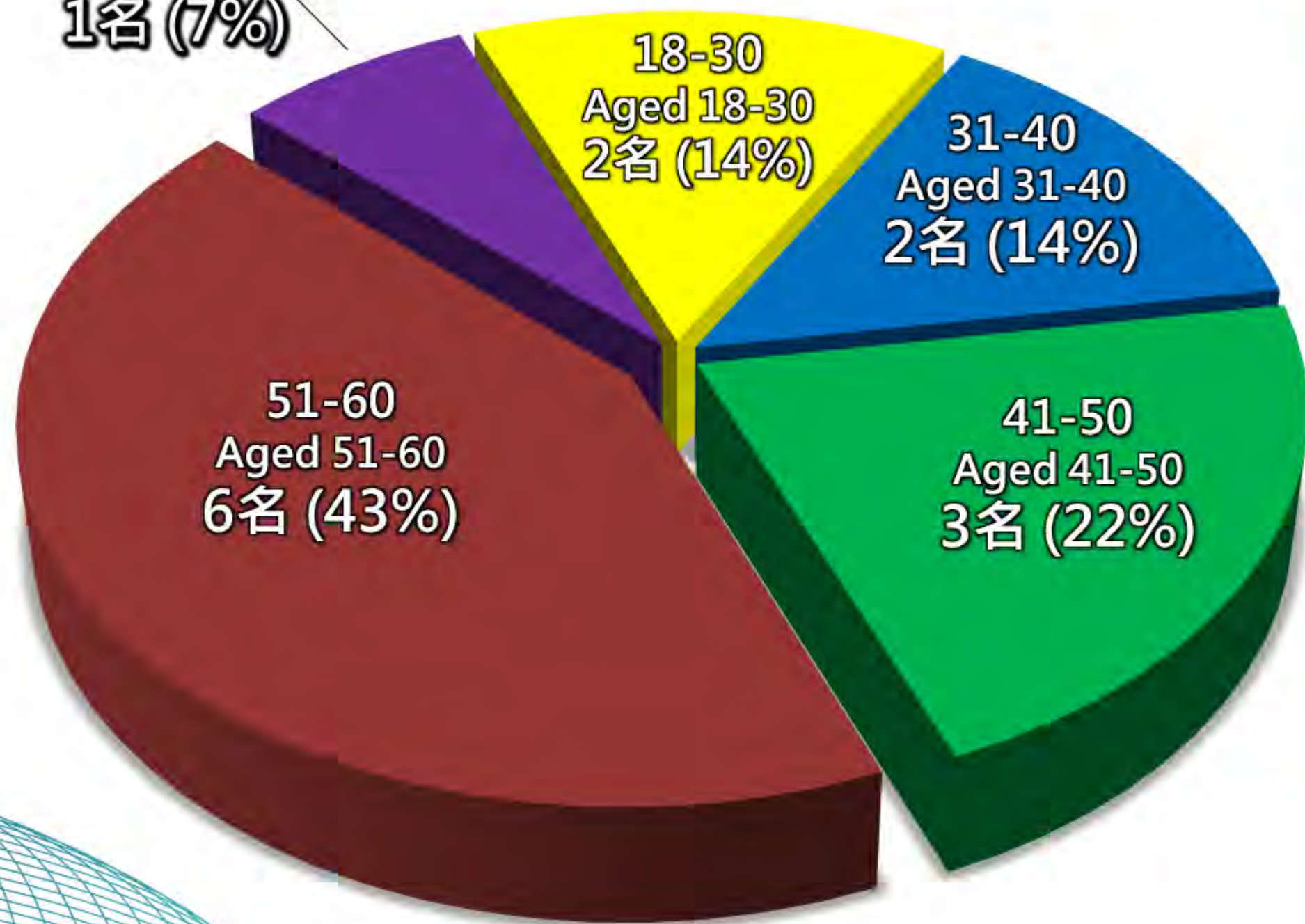
2024建造業致命意外數據分析 Fatal Accidents in the Construction Industry 2024

主題: 致命意外死者年齡 Age of Deceased Person in Fatal Accidents

61或以上
Aged 61 or
above
1名 (7%)

致命意外死者年齡
Age of Deceased Person in Fatal Accidents

參考 Reference:
2023年 (60歲或以上) 佔42%
Aged 60 or above were 42% in 2023



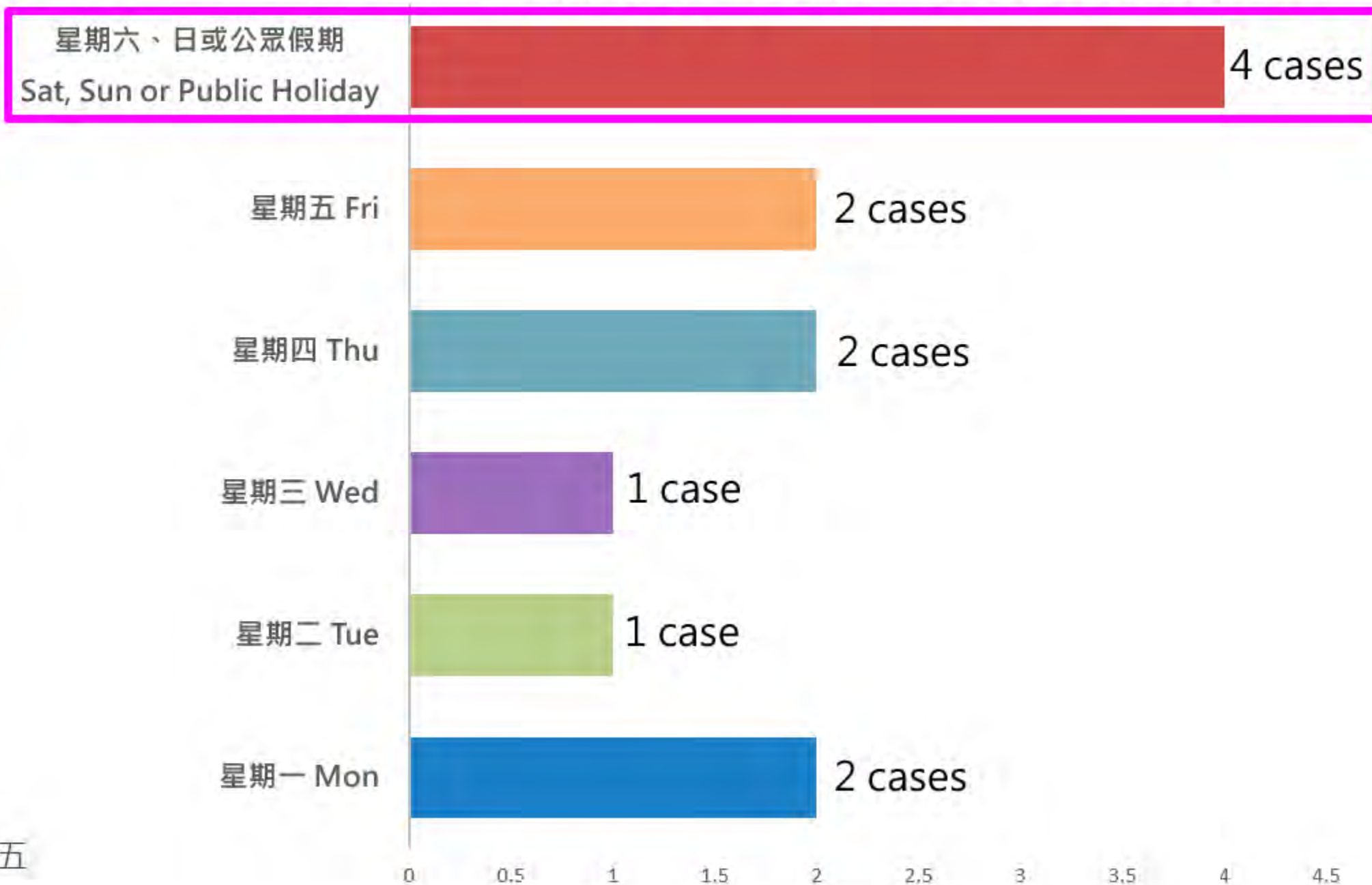
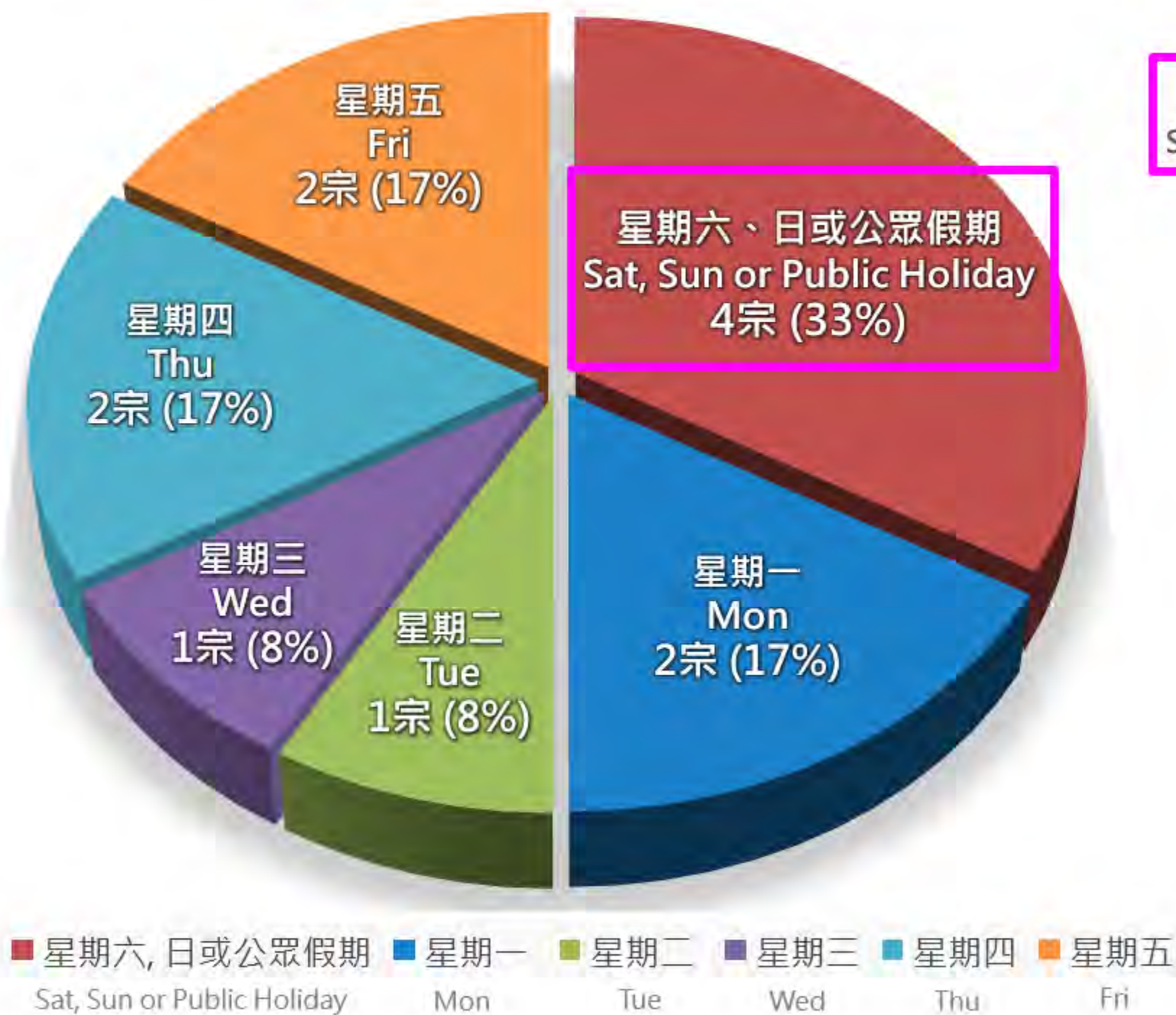


2024建造業致命意外數據分析 Fatal Accidents in the Construction Industry 2024

主題: 致命意外發生日子 Day of Fatal Accidents

致命意外發生日子 Day of Fatal Accidents

有33%致命意外於星期六、日或公眾假期發生



Note: The number of fatal accidents in 2024 was updated by the Labour Department at the beginning of May 2025

啟德地盤霖大型棚架
5傷者分別地面及棚架工作

死亡事故都喺一單都嫌多！

2025指標仍然都喺 ZERO FATALITY

自滿喺安全的死敵！

Complacency is the Biggest Enemy of Safety!

機場T2地盤
37歲男工人高處墮下不治

死者為VTC學生
電梯突移動致墮坑慘死
重案組調查

消息：身上繫有安全帶

男工遭吊籠夾腰重創
當場昏迷送院不治

中環扶手梯奪命工傷

2025年建造業致命意外 (截至2025年9月4日)

Fatal Accidents in Construction Industry in 2025 (As of 4 September 2025)



木梯上工作期間
跌倒傷及頭部

渣甸山衛信道58歲男
昏迷送院不治

渣甸山一工人
從木梯墮下身亡

2025

20/1/2025



火炭工地一工人遭
工字鐵擊中並墮下不治

24/1/2025



職安警示
被轉動中的挖土機擊中

1. 意外日期：2025年2月

2. 意外地點：一個填海地盤

3. 意外摘要：
當一台挖土機的上部結構於沒有設置護欄的操作區域內轉動時，其鏟斗撞擊到一名工人，該工人被一個被挖土機吊起的金屬吊籠，位於三天後離世。

一工人被轉動中的挖土機
擊中受傷 三日後離世

27/2/2025



粉嶺男工
疑從棚架墮地
昏迷送院不治

粉嶺一棚工從棚架墮下
昏迷送院後不治

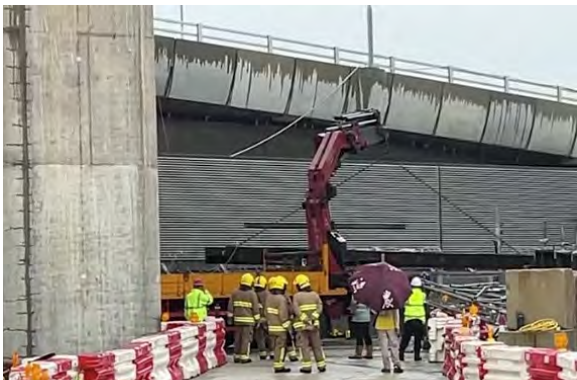
6/5/2025



上水「天王豪宅」獨立屋
男工疑維修時失足
墮泳池溺斃

上水獨立屋一工人安裝
簷蓬期間從簷蓬墮下身亡

16/5/2025



赤鱗角工地金屬構築物
塌下致一死一傷

10/7/2025



南區工地一工人
遭升降機機廂夾斃

27/7/2025



屯門一住宅樓宇的天台一工人
進行滲漏測試時遇溺
13天後離世

1/8/2025



古洞北公屋地盤
鐵籠裝螺絲
突從7樓
墮至平台
男工人頭部重創死亡

古洞工地一工人安裝金屬
模具期間從高處墮下身亡

4/9/2025

古洞工地一工人安裝金屬模具期間從高處墮下身亡

A worker fell to his death while installing metal mould at a construction site in Kwu Tung



2025年9月4日

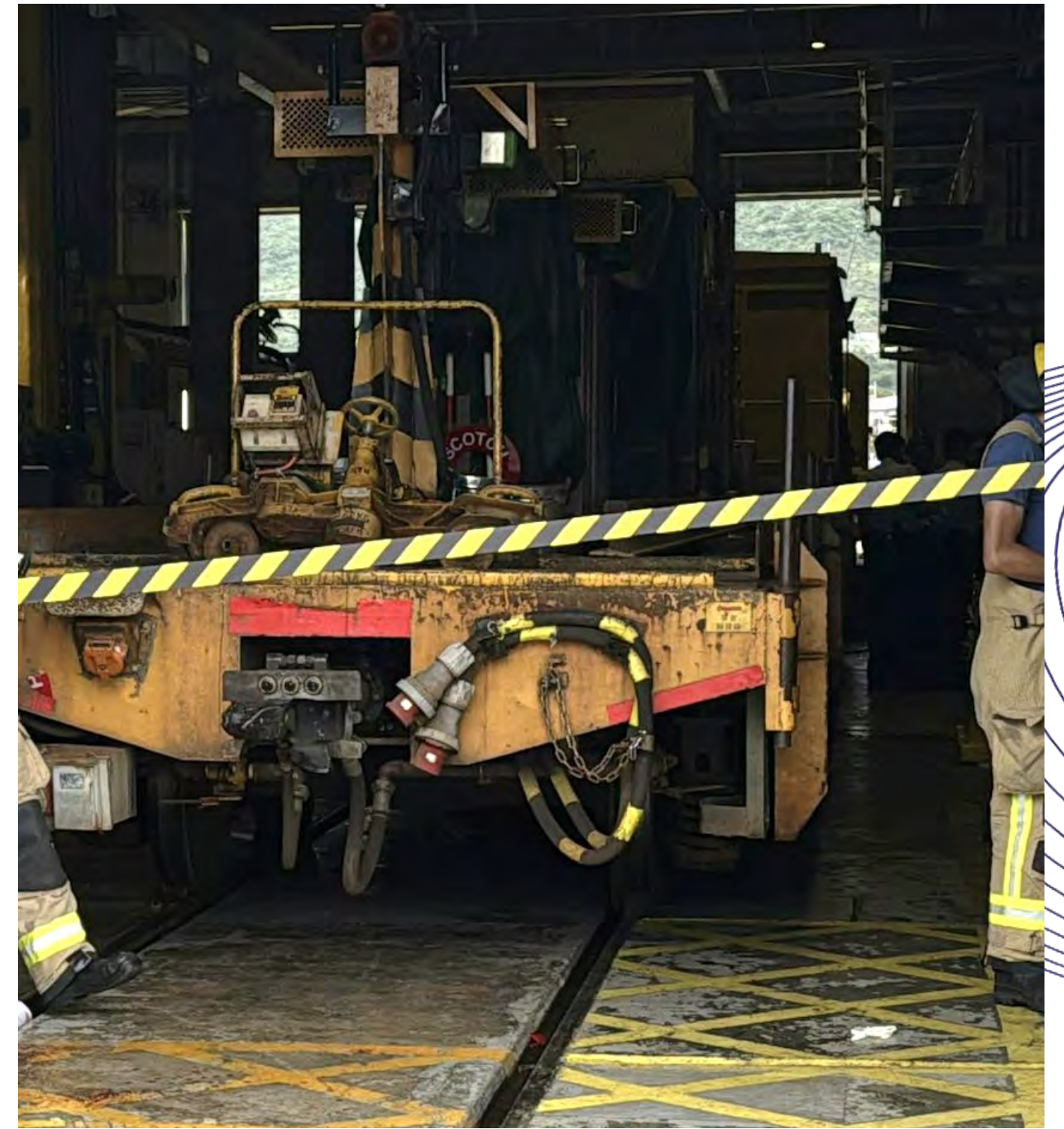
一名工人於古洞一興建中樓宇的外牆安裝金屬模具期間從高處墮下，送院後證實不治。



資料來源：HK01

小蠔灣車廠一工人遭倒後的工程列車撞倒身亡 (其他行業 *Another Industry*)

A worker was struck to death by a reversing engineering train at a train depot in Siu Ho Wan



2025年8月15日

小蠔灣一鐵路車廠有一名工人遭一輛倒後的工程列車撞倒，送院後證實不治。

資料來源：HK01

屯門一住宅樓宇的天台一工人進行滲漏測試時遇溺 13天後離世

A worker drowned in water for seepage test on the roof of a residential building in Tuen Mun, and passed away 13 days later



2025年8月1日

屯門一大廈進行工程期間，其中一名工人在天台水缸工作時，失足跌倒，疑被去水口卡住手臂，未能解困，懷疑被水淹口鼻遇溺陷入昏迷。同事見狀報案，傷者昏迷由救護車送往屯門醫院搶救，13天後離世。

中環地盤工業意外 男工鋸斷手指送院救治 現場遺風車鋸

A worker suffered a finger amputation in a circular saw accident at a construction site in Central



2025年8月20日

美利道與琳寶徑交界一個地盤內，一名工人工作期間，不慎遭風車鋸鋸斷右手食指。消息指，事發時一工人正將風車鋸遞予另一位工人，惟當時風車鋸仍然開動，工人意外觸碰到，結果被鋸斷手指。

資料來源：HK01

社交平台流傳圖片

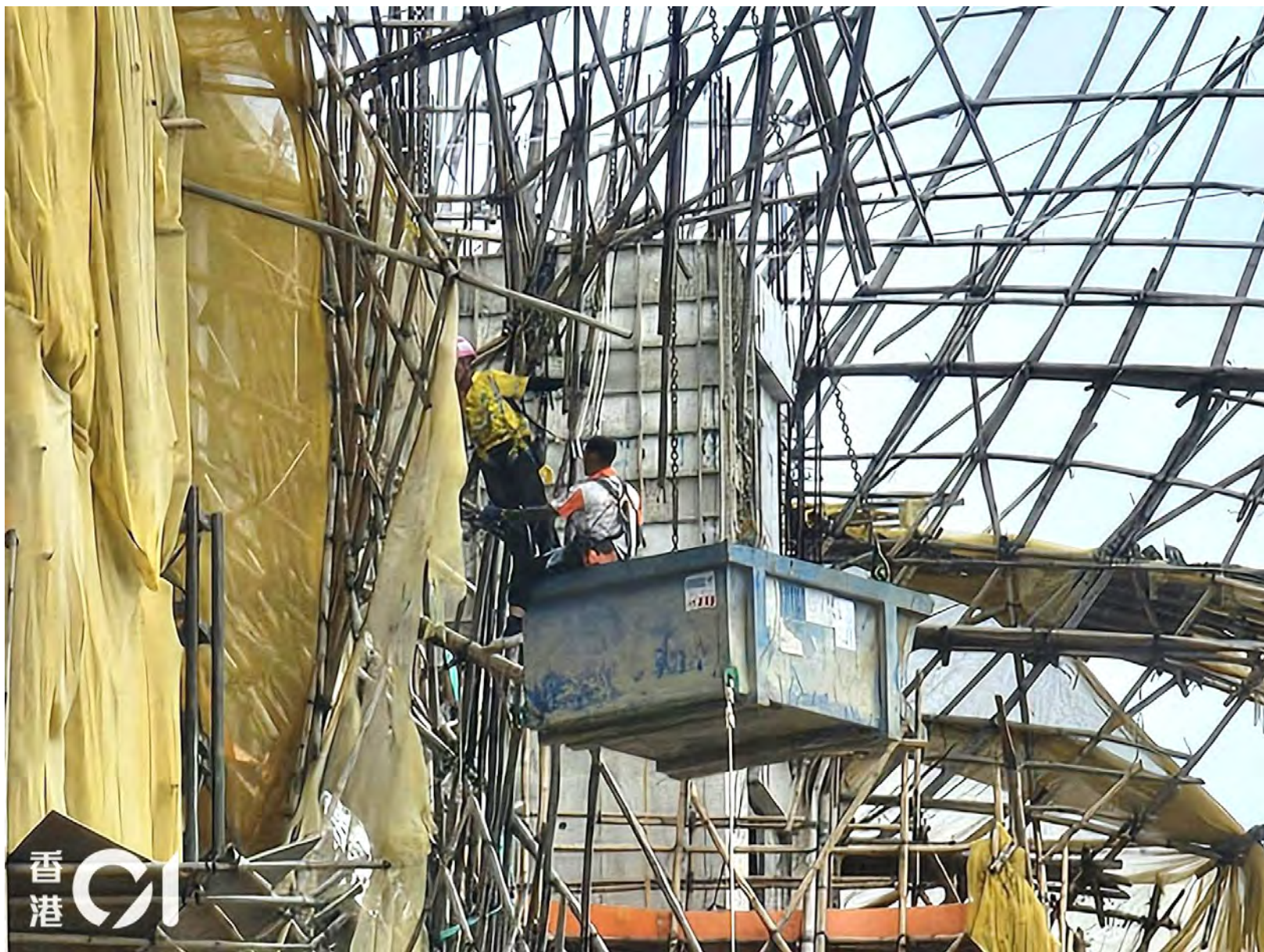
Photos from social media platform



資料來源: 社交平台流傳圖片

安達臣道首置盤 貨斗吊載工人拆棚惹憂慮

Using a "Lifting Skip" to carry workers to dismantle bamboo scaffolds at a construction site on Anderson Road



圖片來源：HK01

2025年7月23日

據媒體報導，安達臣道一工地使用起重機，吊運一個載著工人的「吊斗」至建築物高處，拆卸部分損毀的竹棚架。



社交平台流傳影片

A video from social media platform



赤鱸角工地金屬構築物塌下致一死一傷

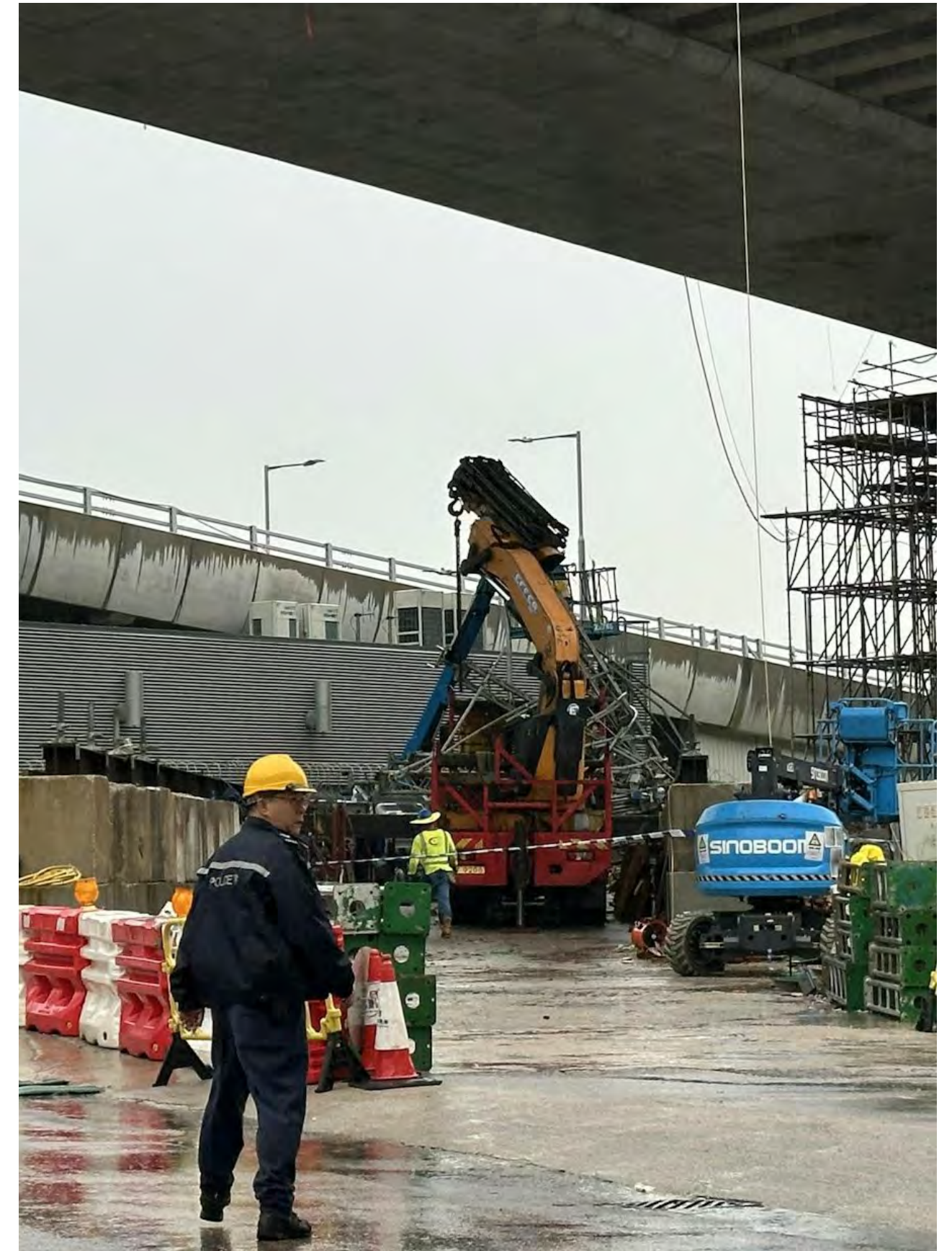
A metal structure collapsed at a construction site in Chek Lap Kok resulting in one dead, one injured

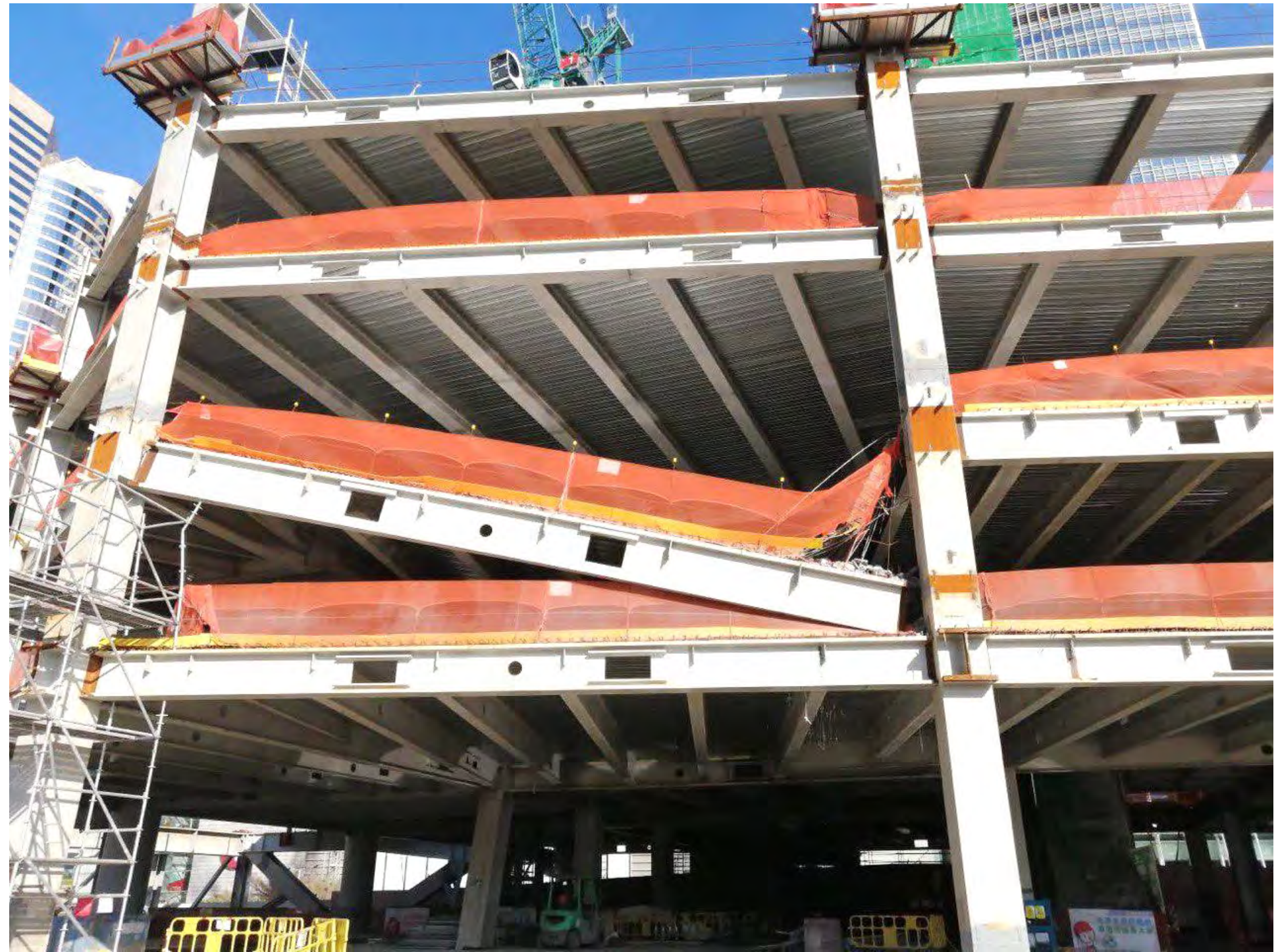


資料來源：HK01

2025年7月10日

赤鱸角一地盤發生致命工業意外，據悉一個猶如「龍門架」高大的鐵製工作平台倒塌，同時有一支約12米長、重4噸的工字鐵墮下，擊中兩名燒焊工人，造成一死一傷。





建造業潛在安全陋習

Potential Bad Safety Habits in Construction Industry

1 趕工文化（四、五日內起好一層）
Culture of rushed works schedule

2 「你搞掂佢！什麼也全包」
“Do it all on your own”

3 「文化領導者」不到現場宣講安全
Culture setter do not visit site to preach safety

4 多層判上判文化（5/6/7判非常普遍）
Multi-layered Subletting

5 關愛文化薄弱（工傷行政費十萬元）
Weak Caring Culture (Administration fee for reportable accident \$100,000)

6 未能從過去的錯誤中學習
Not learning from previous mistakes

建造業致命意外數據分析

Analysis of Fatal Accidents in
Construction Industry



- 2024年約有 43% 的死亡事故與「受困於物件之內或物件之間」有關
Around 43% of Fatal Accidents related to Trapped in or Between Objects in 2024
- 2024年約有 22% 的死亡事故與「人體從高處墮下」有關
Around 22% of Fatal Accidents related to Fall from Height in 2024
- 2024年約有 33% 的死亡事故是發生在「星期六，日或公眾假期」
Around 33% of Fatal Accidents were happened on Saturday, Sunday or Public Holiday in 2024

安全文化依然十分脆弱！

Safety culture is still fragile!

- 不管不理
Ineffective management
- 「你搞掂佢！」文化
Get things done by yourself
- 無做動態風險評估
No dynamic risk assessment (“DRA”)
- 無設立死亡地帶
No fatal zone management
- 無應用4S
No Smart Site Safety System (“4S”)



「你搞掂佢!」文化

Culture of “Get things done by yourself”

講完就算 逃避責任
Evading responsibility after
ordering



SMART AND CARE

智

安全智慧工地系統

Smart Site Safety System ("4S")

愛

關愛文化

Caring Culture

盡
責

SAFETY BEYOND COMPARE

各司其職 人人有責

Safety is Everyone's Responsibilities

建築設計安全

Design for Safety ("DfS")

前線人員安全表現紀錄計劃

Frontline Personnel Safety Performance Recording Scheme

工匠精神 匠心 | 匠魂 | 匠技 | 匠行

Exploring the Four Dimensions of Craftsmanship



建造業安全意識問卷調查2024

Survey on Safety Awareness 2024

主題: 影響建造安全的因素

Topic: Factors Affecting Construction Safety

智愛・盡責
SAFETY BEYOND COMPARE

問題: 請根據以下因素選擇你認為對執行建造安全的影響程度?

Q: Please rate the impact of the following factors for implementing construction safety?

*以下是首6個影響建造安全的因素

*Here are the Top 6 Factors that affect construction safety

Please rate the impact of the following factors for implementing construction safety	請根據以下因素選擇你認為對執行建造安全的影響程度	平均分 (1 = 沒有影響 : 5 = 非常影響) Average Score (1 = No Impact; 5 = Highly Impactful)			
		總受訪者 Total Respondents	工友 Workers	前線管理人員 Frontline Supervisors	持份者 Stakeholders
1. Culture of rushed construction works schedules	1. 建造工期趕急的催工文化	1 3.58 (1.14)	3.30 (1.15)	1 3.92 (1.09)	1 4.18 (0.83)
2. Attitudes of frontline and management personnel	2. 前線人員及管理人員的心態	2 3.56 (1.12)	3 3.31 (1.12)	3.71 (1.08)	2 4.14 (0.89)
3. Ignoring safety method statements	3. 忽略安全施工方案	3 3.54 (1.15)	2 3.36 (1.17)	3.61 (1.18)	3 4.00 (0.91)
4. Overlooking actual construction methods in design stage	4. 設計忽略實際施工方法	4 3.50 (1.10)	4 3.32 (1.13)	4 3.72 (1.11)	4 3.88 (0.89)
5. Senior management's approach and attitude towards safety management	5. 高層參與安全管理的方式及態度	3.49 (1.12)	3.32 (1.16)	2 3.73 (1.05)	3.84 (0.95)
6. Adverse weather conditions and site conditions	6. 惡劣天氣工地環境	3.47 (1.11)	1 3.39 (1.15)	3 3.72 (1.09)	3.58 (0.96)



建造業安全意識問卷調查2024

Survey on Safety Awareness 2024

主題: 工友情景題

Topic: Scenario-based Questions for Workers

有7.5%到13.8%的工友選擇了明顯錯誤的答案，顯示安全意識仍需加強。

Between 7.5% and 13.8% of the workers selected apparently incorrect answers, indicating that safety awareness still needs to be strengthened.

假設地盤趕工，您會選擇哪種態度？



如果發現有孔洞，您會怎樣處理？



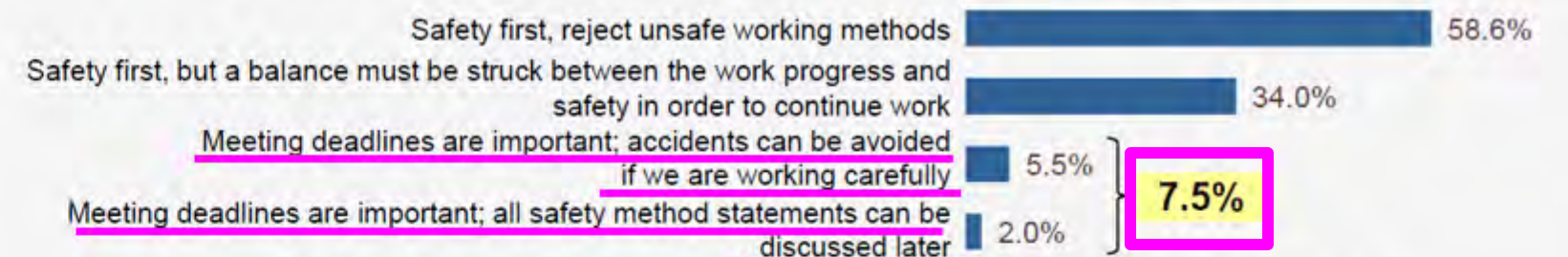
如果工作的工具跌入孔洞內，您會怎樣處理？



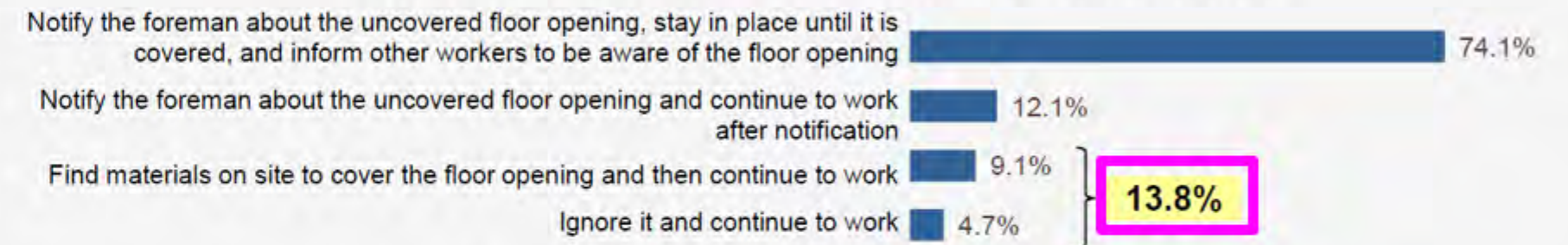
(N = 1,384)

0% 20% 40% 60% 80%

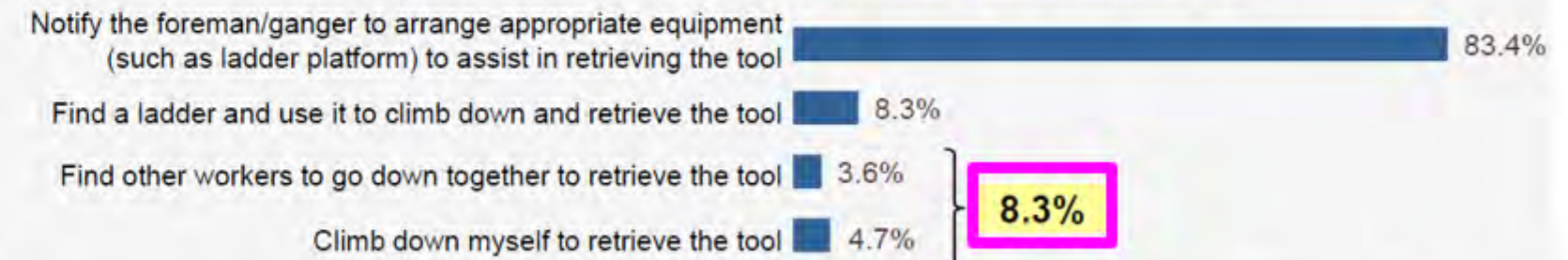
What attitude would you choose if the site is rushing to meet deadlines?



What would you do if you found a floor opening?



If a tool falls into an opening, how would you handle it?



(N = 1,384)

0% 20% 40% 60% 80%



建造業安全意識問卷調查2024

Survey on Safety Awareness 2024

主題: 工友開工習慣

Topic: Workers' Work Habits

問題: 請選擇你開工前的習慣(可選擇多於一項)?

Q: Select your Habits Before Starting the Works (May select more than one)?

Choices of habits before starting the works

- ☐ Observe the conditions of the workplace and confirm that it is safe before starting work
- ☐ Ensure there is a safe working procedure before starting work
- ☐ Ensure the use of appropriate personal protective equipment (PPE) before starting work
- ☐ Ensure safety training has been completed before starting work

☒ **Only Selected this Habit (4.7%)**
Follow the order arranged by the foreman/ganger

☒ **Only Selected this Habit (3.3%)**
Proceed the work based on working experience

開工前的習慣的選項

- ☐ 觀察工作地點情況，安全才開工
- ☐ 確保有安全施工程序才開工
- ☐ 確保使用合適個人防護裝備才開工
- ☐ 確保開工前接受安全培訓

☒ **單選這一個習慣 (4.7%)**
聽從管工 / 打理安排

☒ **單選這一個習慣 (3.3%)**
按工作經驗正常施工

推算Calculation

*註冊建造業工人數目(2024年高參與水平工友): 大約160,000人
Registered Construction Workers (Heavily Engaged Workers in 2024): about 160,000

若果問卷數據**代表**整體建造業界工人:

If the survey data represents all construction workers in the industry:

$$160,000 \times 4.7\% = 7,520 \text{人}$$

◆ 大約有**7,520**位工人只「聽從管工 / 打理安排」

Around 7,520 workers only "Listen to Foreman / Gangers"

$$160,000 \times 3.3\% = 5,280 \text{人}$$

◆ 大約有**5,280**位工人只「按工作經驗正常施工」

Around 5,280 workers only "Based on Working Experience"

智愛・盡責
SMART AND CARE
SAFETY BEYOND COMPARE

- 訓練好工頭
Train up the Ganger properly
- 分包商訓練好揸Fit人
Train up the "揸Fit人" by Subcontractors properly
- 總承建商訓練好座頭/區長
Train up the Block Foreman / Area Foreman by Main Contractors properly
- 顧問公司訓練好駐工地人員 (RSS)
Train up the Resident Site Staff ("RSS") by Consultants properly



建造業安全意識問卷調查2024

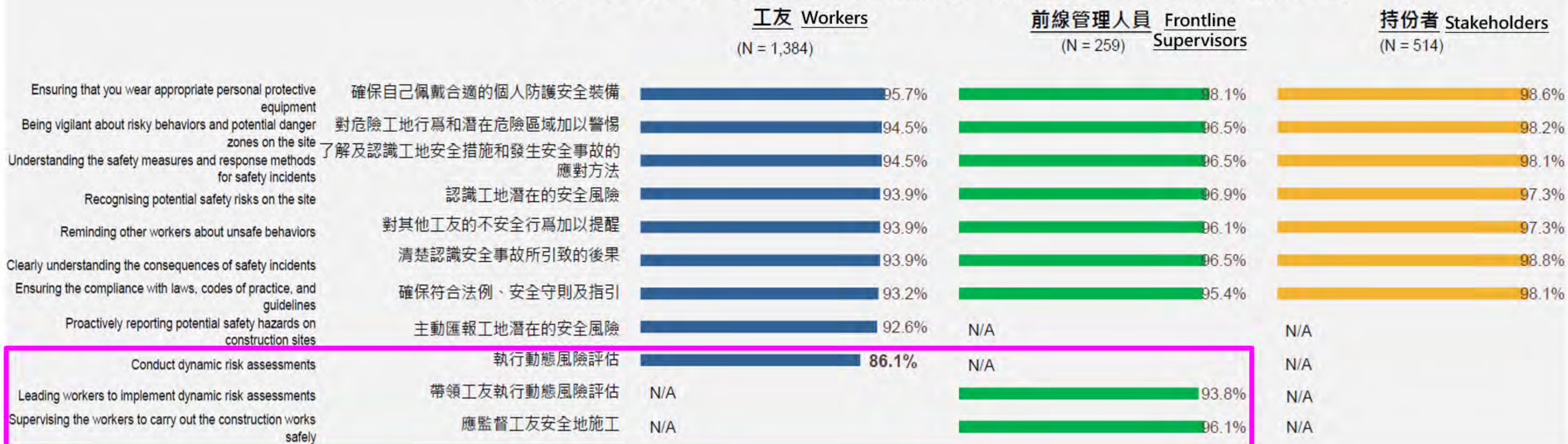
Survey on Safety Awareness 2024

主題: 建造安全文化 – 自身義務

Topic: Construction Safety Culture - Obligation

- 約 14% 工友認為沒有義務執行「動態風險評估」
About 14% of workers think they are not obliged to "Implement Dynamic Risk Assessments"
- 約 6% 前線管理人員認為沒有義務帶領工友執行「動態風險評估」
About 6% of frontline supervisors think they are not obliged to "Leading to Implement Dynamic Risk Assessments"
- 約 4% 前線管理人員認為沒有義務「監督工友安全地施工」
About 4% of frontline supervisors think they are not obliged to "Supervising the Workers to Carry Out the Construction Works Safely"

你認為自身在推動安全文化中是否需要承擔以下義務？ (回答：是)
Do you agree you are responsible for the followings in promoting safety culture? (Answer: Yes)





建造業安全意識問卷調查2024

Survey on Safety Awareness 2024

主題: 提升安全文化的誘因

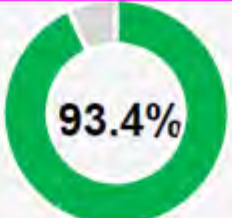
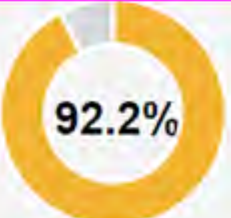
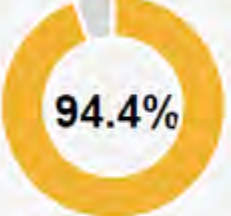
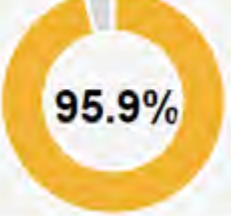
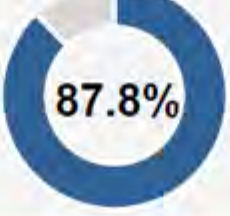
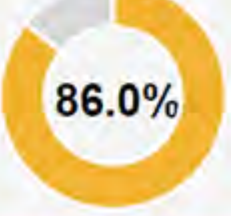
Topic: Enhancement of the Safety Culture Factors

智愛・盡責

SMART AND CARE, SAFETY BEYOND COMPARE

- ◆ 建築設計安全
Design for Safety ("DfS")
- ◆ 前線人員安全表現紀錄計劃
Frontline Personnel Safety Performance Recording Scheme
- ◆ 工具箱訓練 (針對性)
Toolbox talks (Specific)
- ◆ 安全智慧工地系統
Smart Site Safety System

➤ 絕大部分受訪者同意引入**建築設計安全**、**建立鼓勵及表揚制度**，及**提供安全培訓**可提升本地建造業安全文化，工務或公私營工程之間的分別並不明顯。
Most respondents concurred that incorporating **Design for Safety (DfS)**, **encouragement and praise**, as well as the **provision of safety training**, could enhance the safety culture within the local construction industry. Results suggested that the distinction between public and private projects was minimal.

Questions	問題	工友 Workers (N = 1,384)	前線管理人員 Frontline Supervisors (N = 259)	持份者 Stakeholders (N = 514)
Do you believe that incorporating Design for Safety (DfS) can enhance the safety culture? (Answer: Yes)	你認為 引入建築設計安全 可提升安全文化嗎? (回答: 是)		 93.4%	 92.2%
Do you believe that recording good safety performance of frontline personnel in the construction industry can enhance site safety culture through encouragement and praise ? (Answer: Yes)	你認為 記錄良好安全表現的建造業前線人員 ，以 鼓勵及表揚方式 以提升工地安全文化嗎? (回答: 是)	 94.4%	 95.0%	 94.4%
Do you believe that providing safety training to frontline personnel can improve their safety performance? (Answer: Yes)	你認為 提供安全培訓 ，可提升工地前線人員安全表現嗎? (回答: 是)	 95.4%	 91.9%	 95.9%
Do you believe that adopting a Smart Site Safety System (4S) can enhance safety culture on site? (Answer: Yes)	你認為採用 安全智慧工地系統 (4S) ，可提升工地安全文化嗎? (回答: 是)	 87.8%	 80.3%	 86.0%



建造業安全意識問卷調查2024

Survey on Safety Awareness 2024

主題: 工友所獲的地盤措施

Topic: Measures Implemented at the Workplace for Workers

智 愛 • 盡責

CARE

◆ 工具箱訓練 (針對性)

Toolbox talks (Specific)

◆ 「3點3」安全講座

Safety sessions at 3:15pm

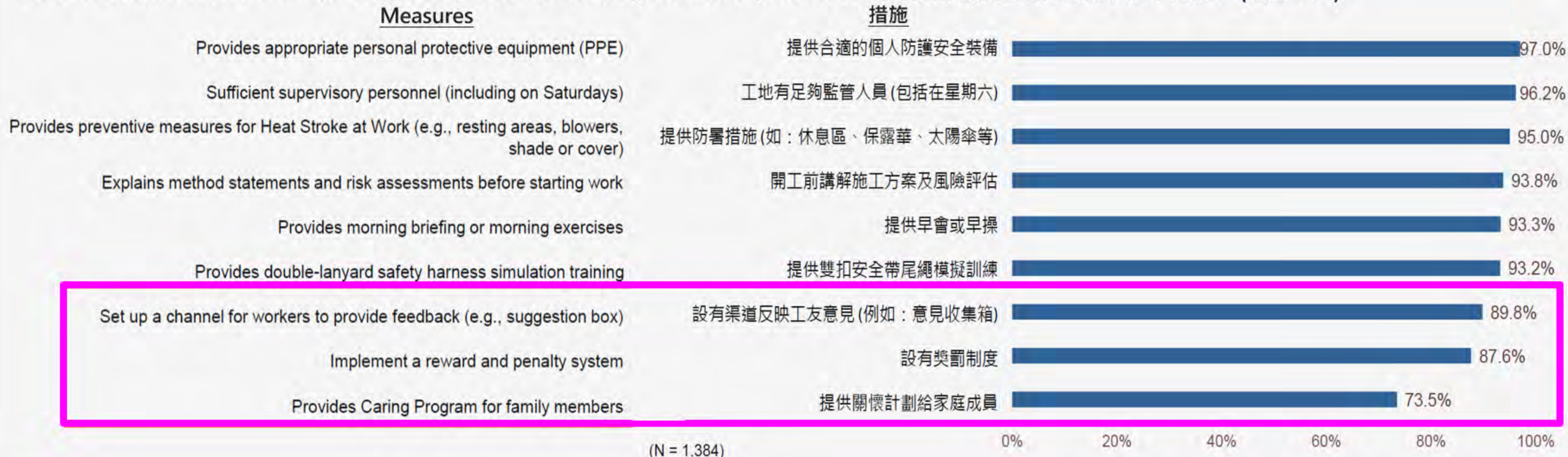
➤ 有超過九成的工友表示，其所在工地有提供合適的個人防護安全裝備、駐有足夠的監督人員、備有防暑設備等六種措施。

More than 90% of the workers stated that their workplace has provided appropriate PPE, sufficient supervisory personnel, and preventive measures for heat stroke, among six other types of measures.

➤ 有一至兩成多的工友指工地缺乏表達意見渠道、獎罰制度或家庭關懷計劃。

However, around 10% to 20% of the workers indicated that their workplace lacked channels for providing feedback, a rewards and penalties system, or a caring programme for family members.

Does the construction site where you are located provide the following measures? (Answer: Yes) 你所在的工地有否提供以下措施? (回答: 有)





建造業安全意識問卷調查2024

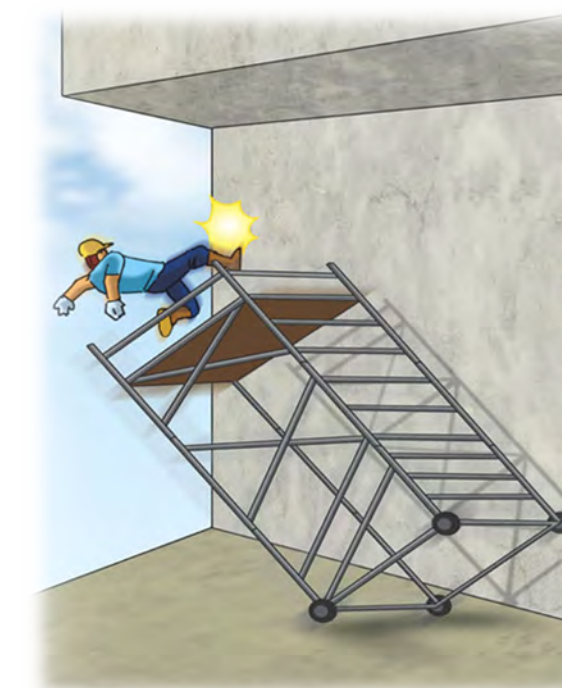
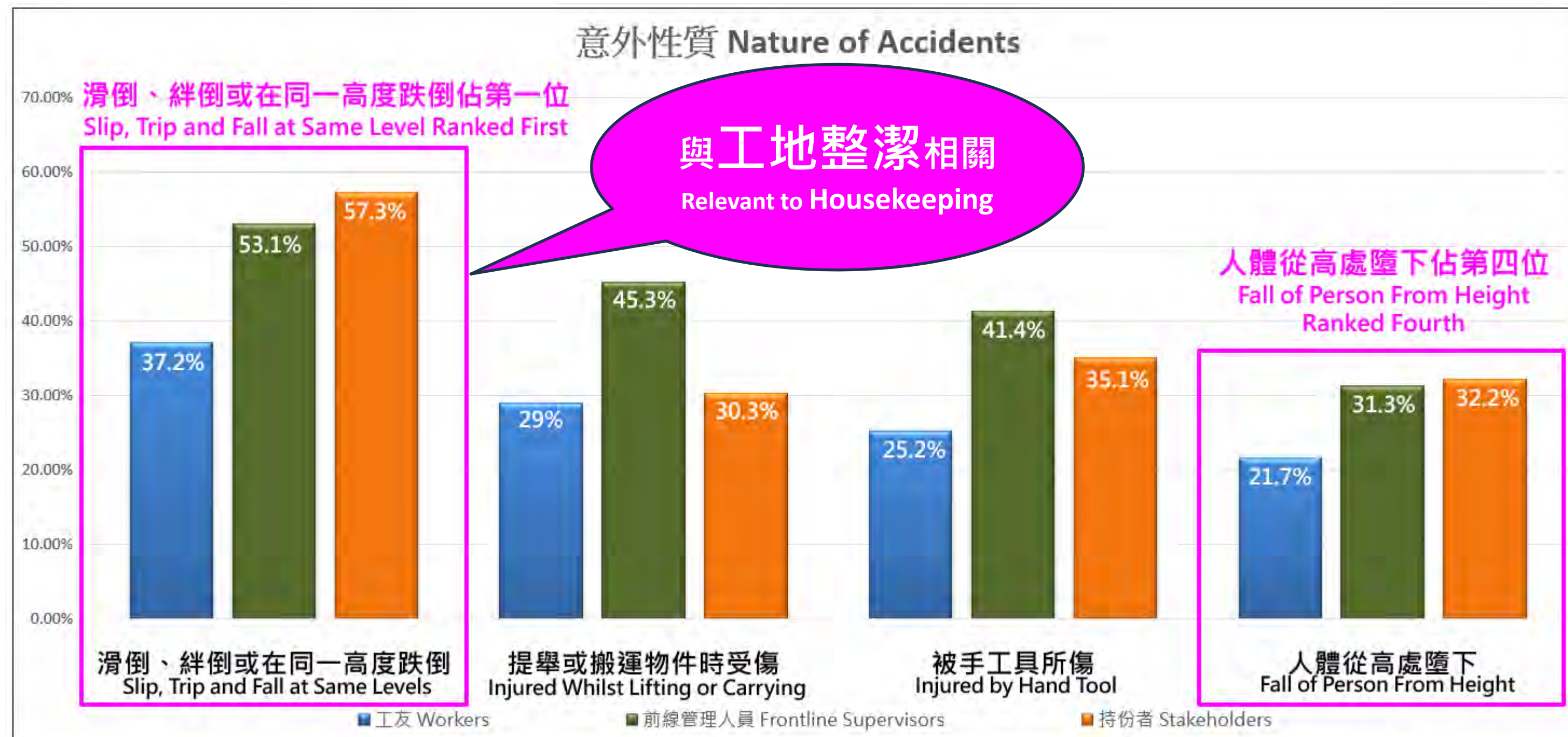
Survey on Safety Awareness 2024

主題: 工業意外的經歷

Topic: Experiences in Industrial Accidents

問題: 你曾經經歷/目擊/處理過的工業意外? What types of industrial accidents did you Experience, Witness, or Handle?

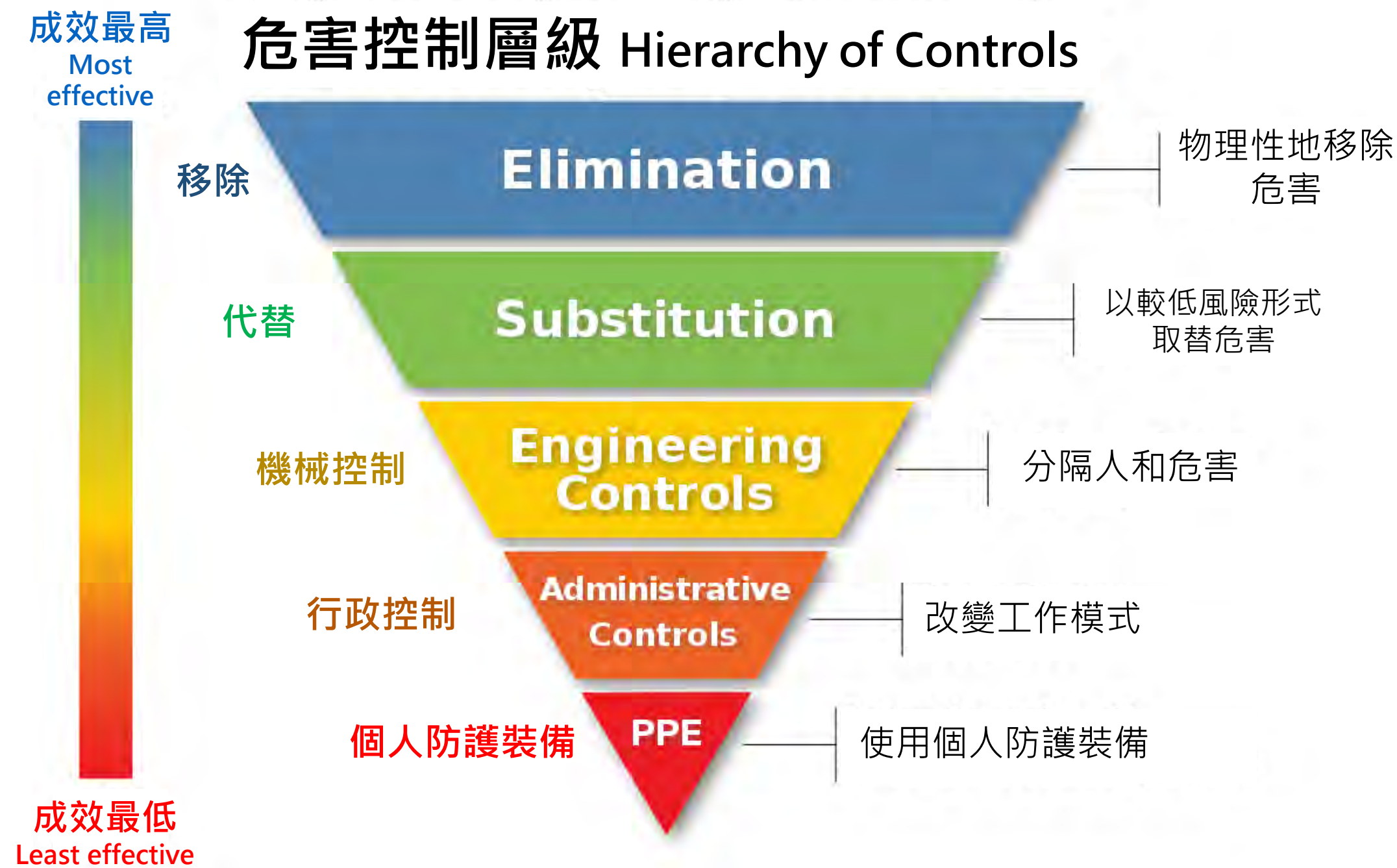
*以下是首4個在過去五年內佔最多經歷的意外性質 Here are the Top 4 Nature of Accidents that experienced most frequently in the past 5 years



建築設計安全 - 風險防範及管理

Design for Safety ("DfS") - Risk Prevention and Management

“讓建築設計安全”
成為習慣
Making DfS a Habit



從源頭消除或降底風險

👍 Eliminate or reduce risks from the sources



個人防護裝備只係
最後防線!!
Personal protective equipment ("PPE") is the last resort!!

合共20個工程項目
參與計劃!

建築設計安全先導計劃

Design for Safety Pilot Run Scheme

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參與機構包括 (按字母順序排列)

- 機場管理局 Airport Authority
- 其士(建築)有限公司 Chevalier (Construction) Company Limited
- 土木工程拓展署 Civil Engineering and Development Department
- 機電工程署 Electrical and Mechanical Services Department
- 恒基兆業地產有限公司 Henderson Land Development Company Limited
- 香港房屋協會 Hong Kong Housing Society
- 香港電燈有限公司 The Hongkong Electric Co., Ltd.
- 市區重建局 Urban Renewal Authority

第一期 Phase 1
2024年7月26日開始

參與機構包括 (按字母順序排列)

- 建築署 Architectural Services Department
- 嘉福機電工程有限公司 BYME Engineering (Hong Kong) Ltd.
- 土木工程拓展署 Civil Engineering and Development Department
- 香港港安醫院 Hong Kong Adventist Hospital
- 香港房屋委員會 Hong Kong Housing Authority
- 香港鐵路有限公司 MTR Corporation Limited
- 新輝建築有限公司 Sanfield Building Contractors Limited
- 太古地產有限公司 Swire Properties Limited
- 香港電燈有限公司 The Hongkong Electric Co., Ltd.
- 華聯建築有限公司 Union Contractors Limited
- 水務署 Water Supplies Department

第二期 Phase 2
2025年5月15日開始



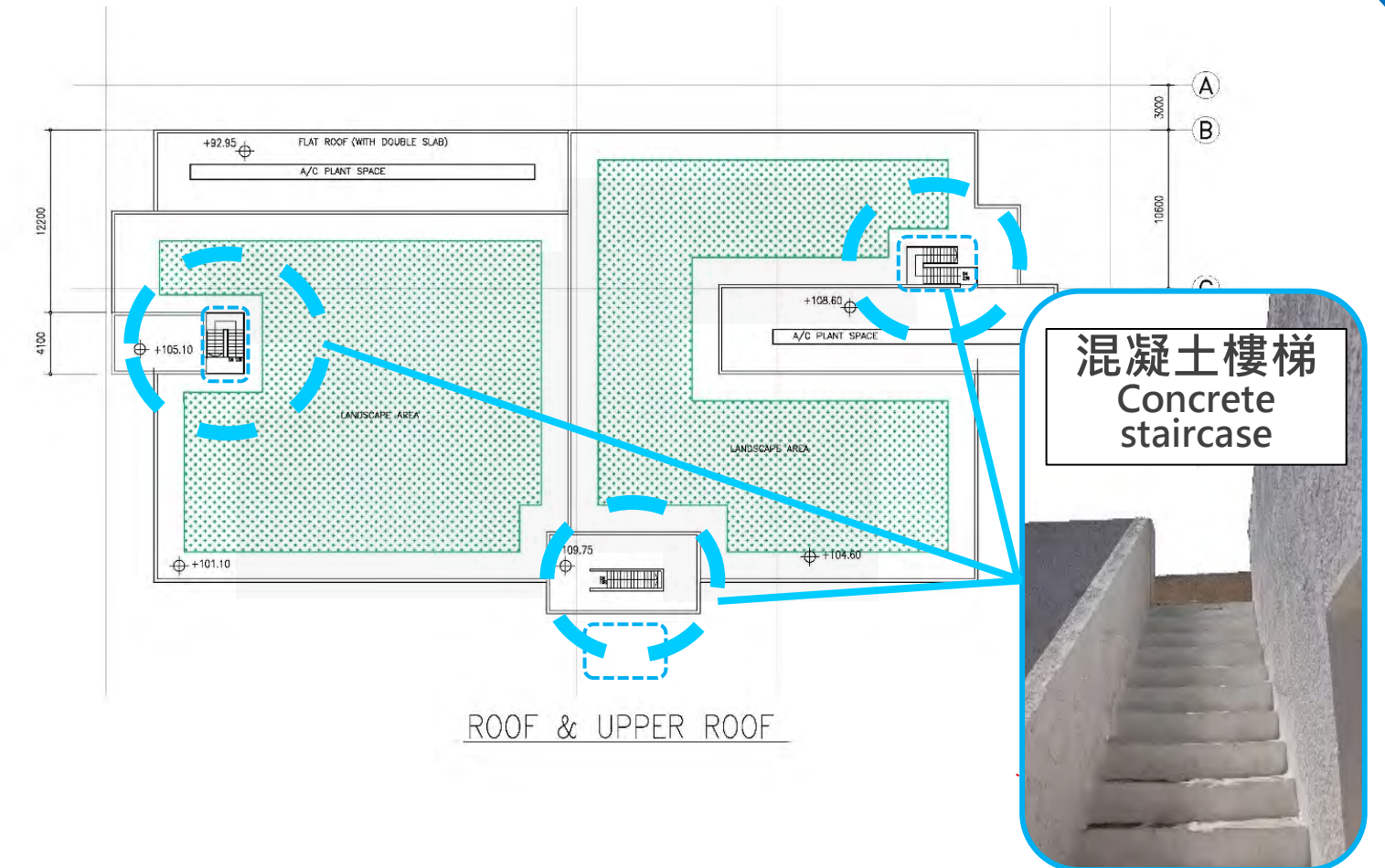
建築設計安全先導計劃（第一期）分享

Sharing on Design for Safety (Phase 1)



傳統方案 Traditional Method

- 採用固定攀梯作通道 (Use Cat-ladder as access)
- 到達天面進行定期維修機電設備 (Regular maintenance works at rooftop)
- 增加人體從高處下墮的風險 (Increase the risk of fall from height)



改善方案 Optimised Method

- 提供混凝土樓梯作通道 (Provision of concrete staircase as access)

建築設計安全先導計劃（第一期）分享

Sharing on Design for Safety (Phase 1)

原本埋碼點
Original rigging points



消除高空工作 Elimination of Working at Height

更改後的埋碼點
Relocated rigging points



傳統方案 Traditional Method

- 埋碼點位於「風機」的頂部 (Rigging points at the top of air compressor)
- 倚賴使用個人防護裝備 (Rely on PPE)
- 增加人體從高處下墮的風險 (Increase risk of fall from height)

改善方案 Optimised Method

- 檢討並更改埋碼點 (Review and relocate the rigging points)
- 高空工作已消除 (Elimination of Working at Height)

MiMEP



Smart Site Safety System ("4S")



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UTBM



BIM

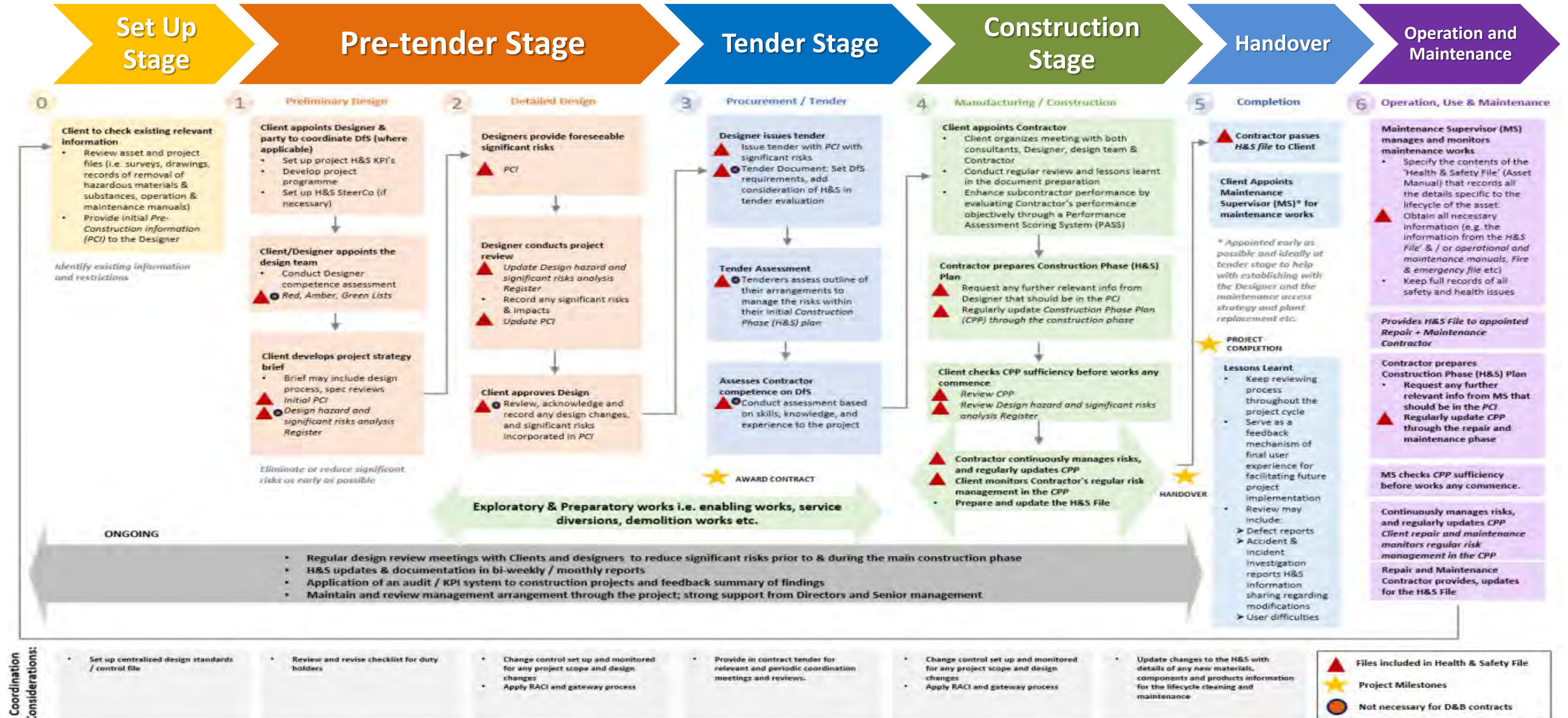


MiC



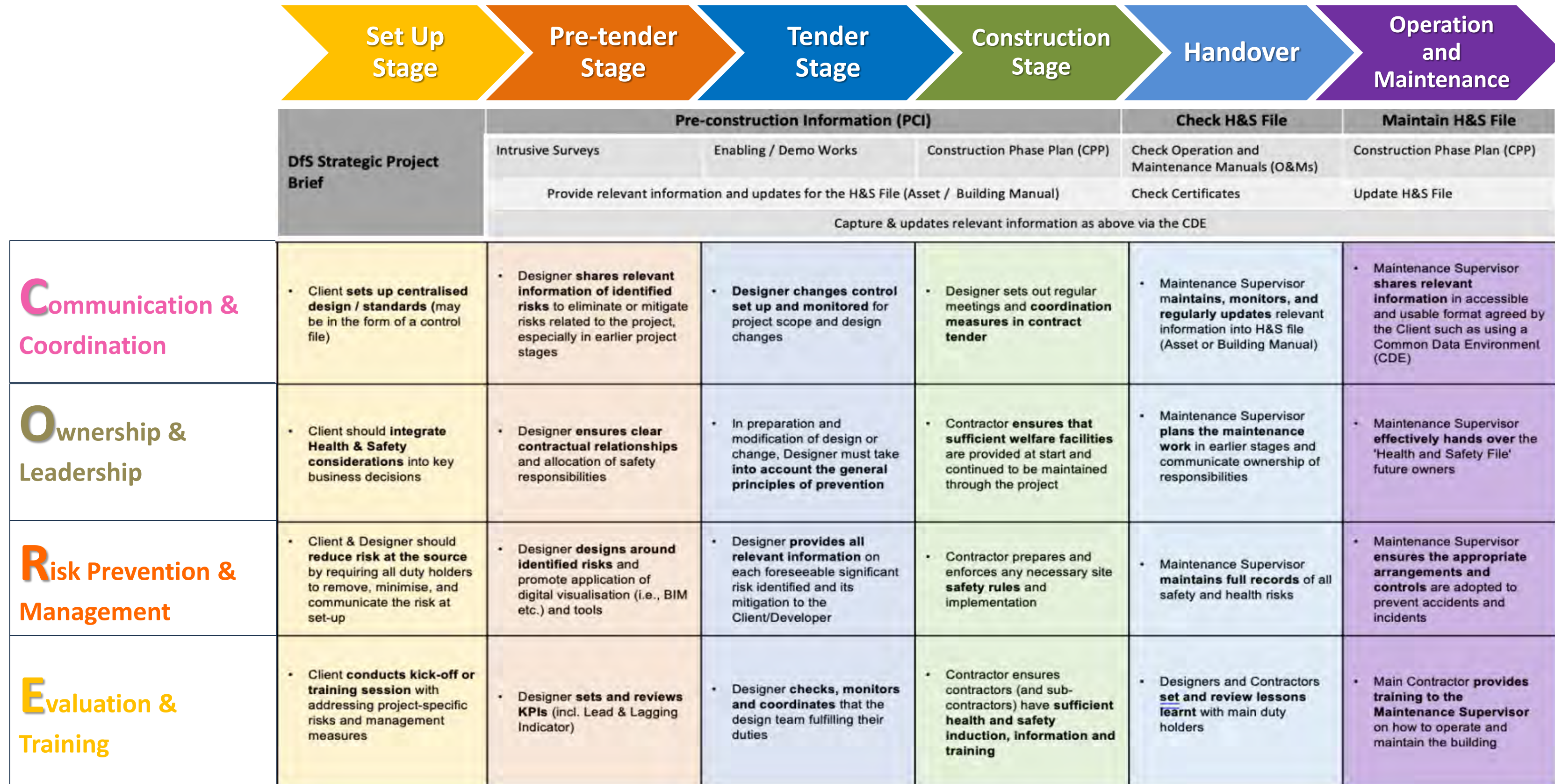
建築設計安全管理系統

Design for Safety Management System



『CORE』原則在安全管理系統設計中的整合

Integration of CORE Principles in the DfS Management System



成功的建築設計安全

Success of DfS

“Collaboration and
Integration into the
whole process



“協作與整合”
於全個流程之中



設計危害與重大風險分析登記冊

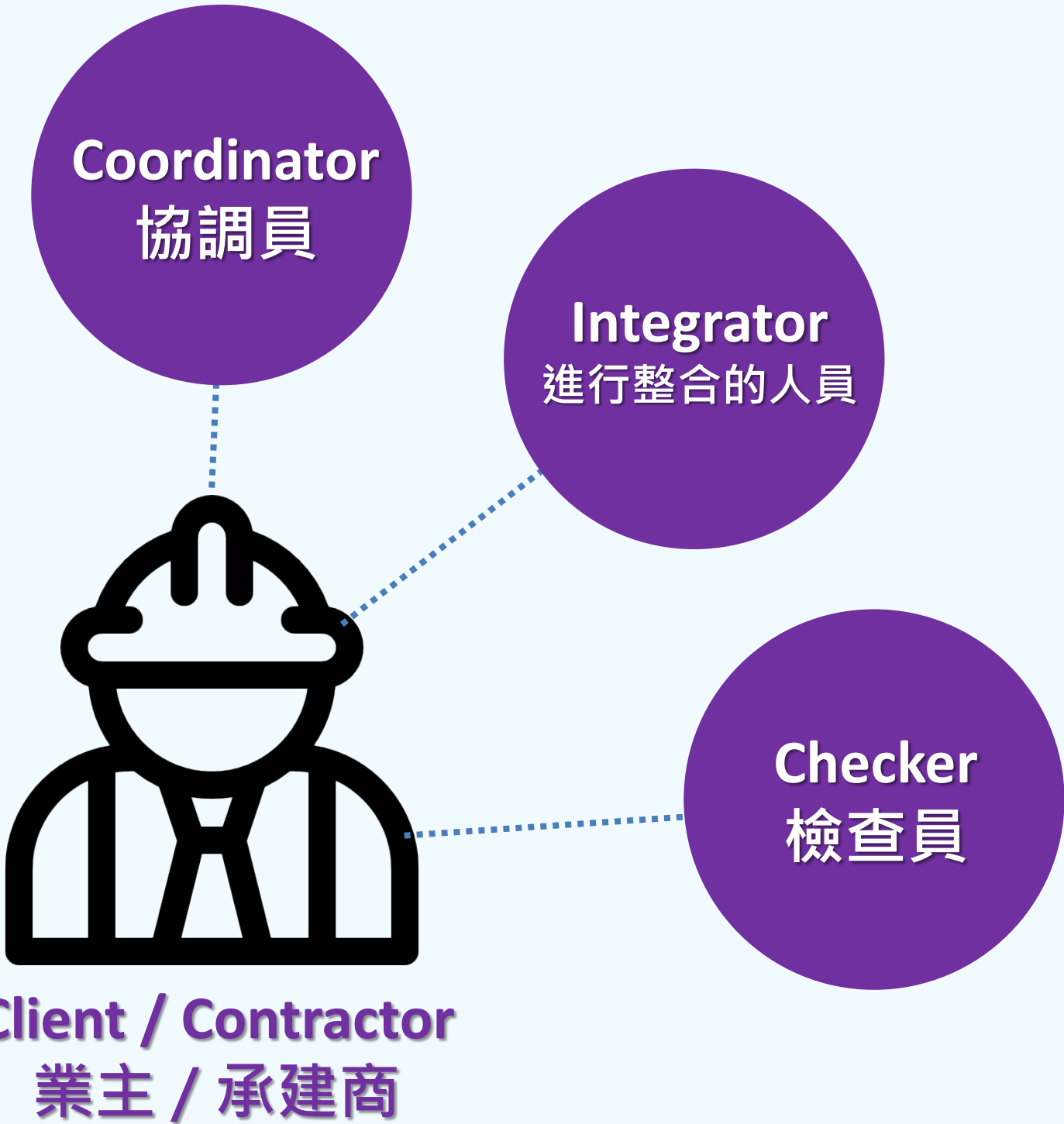
Design Hazard & Significant Risks Analysis Register ("Risk Register")

Design Risk Register (Sample)											
IDENTIFY SAFE DESIGN RISK				ANALYSE SAFE DESIGN RISK - CURRENT EXPOSURE				IMPLEMENT SAFE DESIGN RISK TREATMENT			
ID	Risk Title	Event / Cause / Consequence	Persons Affected	Applicable Phases	Applicable Disciplines	Inherent Consequence	(Risk Treatment) Current Controls	Consequence Likelihood	Risk Level	Risk Owner Evaluation	(Risk Treatment) Action Summary
1	Pier Collapse during Demolition	Partial collapse of the existing pier due to structural instability or inadequate demolition planning. Could result in worker injuries or fatalities and damage to nearby structures.	Demolition workers, nearby pedestrians, staff	Demolition	Civil, Structure	B - Major	1. The risk has been controlled to the current level by providing a detailed demolition plan and sequencing. 2. Pre-demolition structural assessments conducted.	A - Catastrophic 1 - Rare	High	Tolerable	The risk will be actioned to an acceptable level by: - Assigning on-site structural engineers during demolition.
2	Temporary Pier Stability during Construction	Temporary pier becomes unstable due to improper installation or material failure, leading to worker/public injury or damage to equipment.	Workers, public, maintenance staff	Construction	Civil, Structure	A - Catastrophic	1. The risk has been controlled by ensuring proper installation and using certified materials. 2. Regular monitoring during construction phases.	A - Catastrophic 4 - Likely	Critical	Intolerable	The risk will be actioned to an acceptable level by: - Enhancing inspections and adding real-time structural monitoring.
3											
4											
5											

Keep a **"LIVE"** Risks Register
 持續更新設計危害與重大風險分析登記冊

任命建築設計安全的 關鍵人員

Appoint Key Personnels of DfS



參考資料 – 香港建造業建築設計安全管理系統

Reference Materials on the Design for Safety Management
System for the Hong Kong Construction Industry



參考資料

香港建造業建築設計安全管理系統

第一版

2022 年 11 月



下載 Download



兩個建造業議會建築設計安全大師級培訓課程

Two CIC Master Classes on Design for Safety



1. 管理人員

小冊子 Brochure



2. 一般建造人員

小冊子 Brochure



生命第一 行出安全 — 持續推動「建築設計安全」

Webinar on Continuous Promotion on Design for Safety

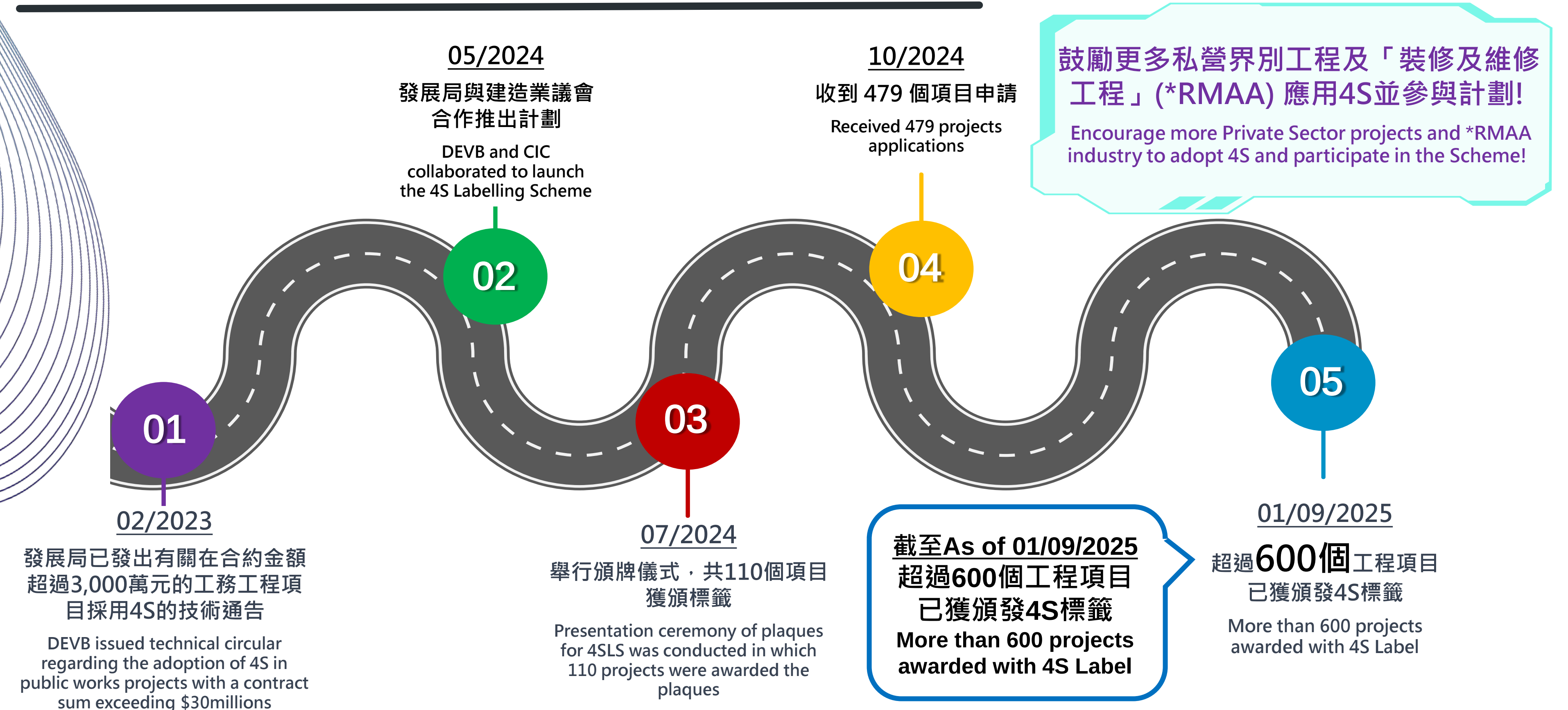
日期：2025年7月16日（重溫）

重溫 Replay



安全智慧工地系統標籤計劃 ("計劃")

Smart Site Safety System Labelling Scheme ("4S Labelling Scheme")



安全智慧工地系統 - 智能棚架監測系統

4S - Intelligent Scaffolding Monitoring Systems

即時啟動警報：

- 拉掙被剪掉
- 拉掙拉力超標
- 棚架傾斜
- 棚架超重
- 其他異常數據



手機警示例子

警報器

感應器

安裝感應器

🔴 🔴 傳感器傾斜 🔴 🔴

棚架監測系統

時間：2025-05-20 17:06:43

地點：

設備編號：10

17:06



前線人員安全表現紀錄計劃

Frontline Personnel Safety Performance Recording Scheme

截至As of 01/09/2025

約700個工程項目已參與計劃

Around 700 projects have been participated in the Scheme

鼓勵建造業界積極參與計劃!

Encourage the construction industry to participate actively!

目標 Objectives:

1. 統一標準制度記錄建造業前線人員的安全表現。
Standardise the safety performance items for the Frontline Personnel.
2. 培養安全施工習慣。
Cultivate a safe working behaviour.
3. 鼓勵前線人員積極參與安全培訓。
Encourage Frontline Personnel to actively participate in safety training.
4. 提升建造業安全表現。
Improve the safety performance of the construction industry.

盡責

SAFETY BEYOND
COMPARE

2025年4月2日啟動
Kick-started on 2/4/2025



第31屆公德地盤嘉許計劃頒獎典禮

31st Considerate Contractors Site Award Scheme Award Presentation Ceremony

智愛

SMART AND CARE



將關愛文化延伸到家庭!

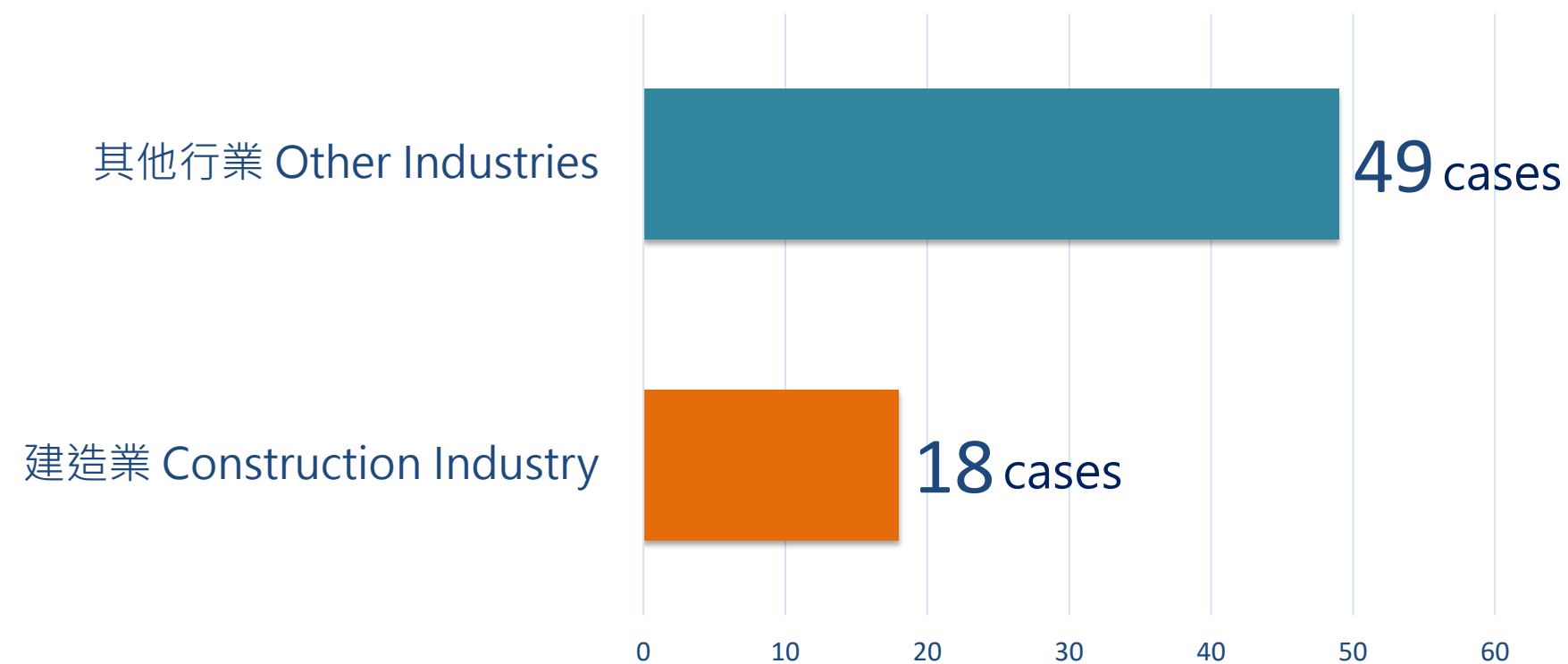
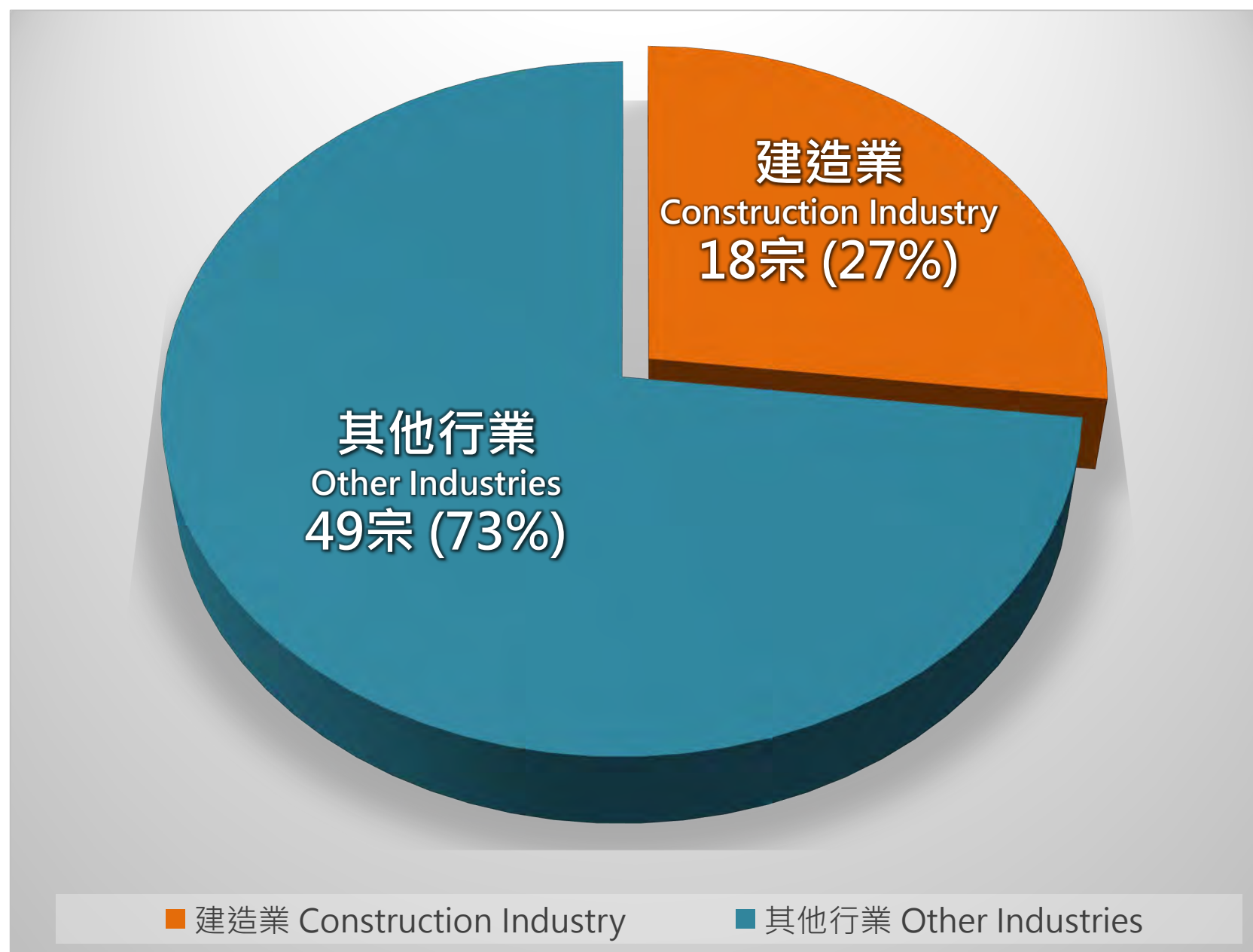
Cascade Caring Culture to Home!



2024年猝死個案分析 Sudden Death Cases 2024

主題: 建造業及其他行業猝死個案

猝死個案 Sudden Death Cases



建造業 Construction Industry (宗/case) : 18
其他行業 Other Industries (宗/case) : 49
所有行業 All Industries (宗/case): 67

「健康反思會」 講解健康問題及預防方法

Health Stand Down
Briefing for the health problems and
preventive methods

Led by Mr. Kevin O'Brien (Chief Executive of Gammon)

上下一心，人人有責，
各司其職。
**Safety, My
Responsibilities!**
Let's Do It Together!





健康專區 Health Zone :

- 每星期由註冊護士為工友量度血壓、血糖、血氧含量、膽固醇等指標；並
A Registered Nurse is hired to carry out health monitoring for workers weekly; and
- 提供健康問題的建議。
Offer advice on health problems.



監察工友身體狀況

Health monitoring for workers

不尋常體溫、
心率或
求救訊號
(Abnormal body temperature, abnormal heart rate or SOS signal)



智愛
SMART AND CARE





建造業安全意識問卷調查2024

Survey on Safety Awareness 2024

主題: 接收安全資訊的渠道

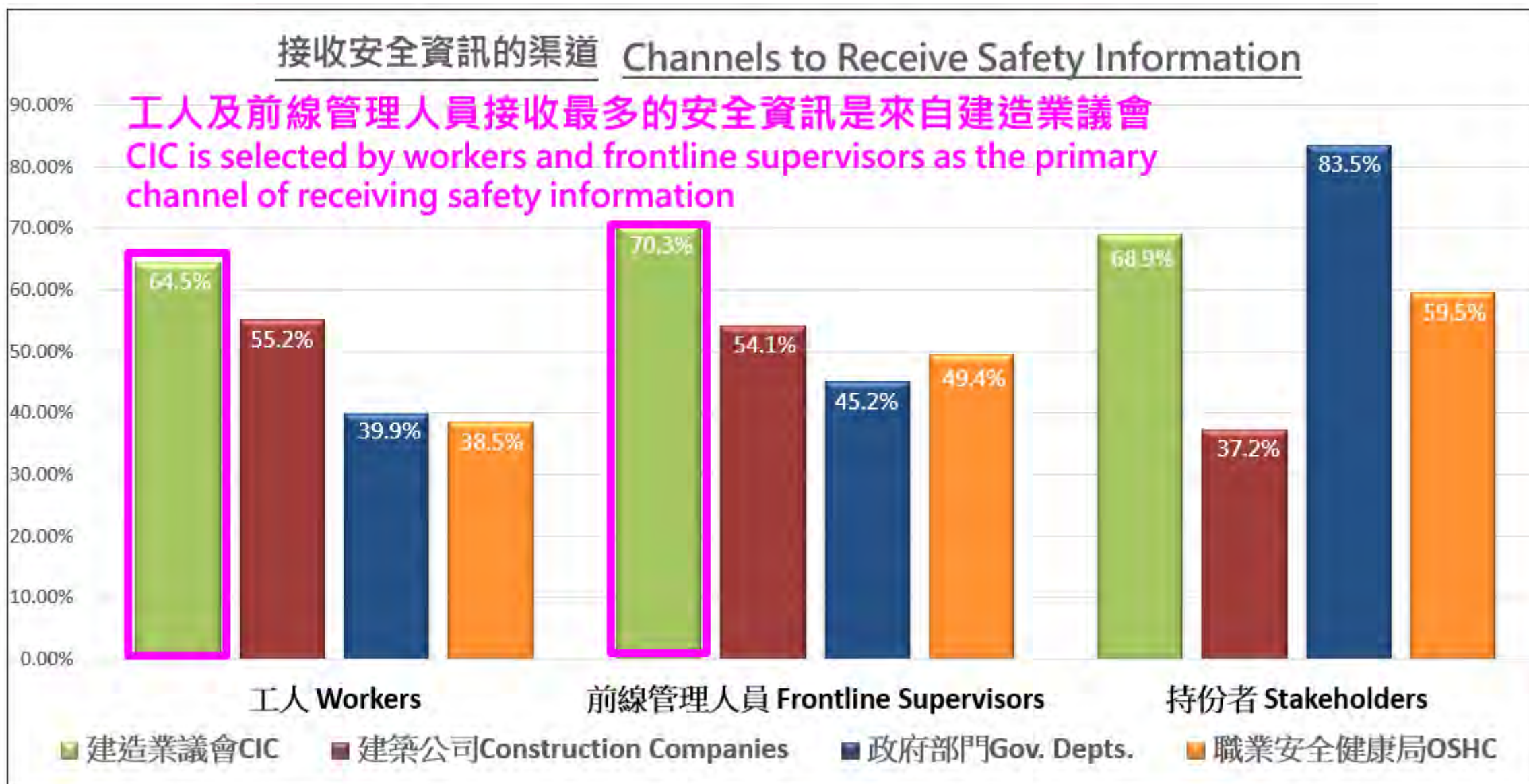
Topic: Channels to Receive Safety Information

問題: 接收安全資訊的渠道 (可選擇多於一項)?

Q: Channels to receive safety information (May select more than one)

*以下是首4個接收最多安全資訊的渠道

*Here are the Top 4 channels that receive the most safety information



- 工人及前線管理人員接收最多的安全資訊是來自建造業議會，其次是建築公司。
CIC is selected by workers and frontline supervisors as the primary channel of receiving safety information, following CIC is construction companies.

呼籲您和全公司員工
下載CIC APP!

Call for all your staff and your
goodself to download CIC APP!

智愛

SMART AND CARE

請掃描QR Code下載



Scan QR Code & Download



提供天氣提示，加強安全意識!

Access weather information and enhance safety awareness

CIC APP 安全資訊:

- ✓ 天氣提示
- ✓ 安全訊息
- ✓ 安全刊物
- ✓ 網上研討會
- ✓ 安全短片

酷熱天氣相關提示





工具箱訓練（針對性） Tool Box Talk – Specific Not Generic



全面落實建造安全早會

Full Implementation of Construction Safety Assembly



盡責

SAFETY BEYOND
COMPARE

鼓勵所有工地全面落實建造安全早會!



早操早會

Morning Exercise and Morning Briefing

- ✓ 進行伸展運動
- ✓ 分析業界意外成因
- ✓ 提出安全建議
- ✓ 重申向危險說不



安全帶雙扣尾繩模擬訓練

Double Lanyard Training

- ✓ 建立肌肉記憶
- ✓ 養成扣安全帶習慣
- ✓ 減少人為出錯



動態風險評估

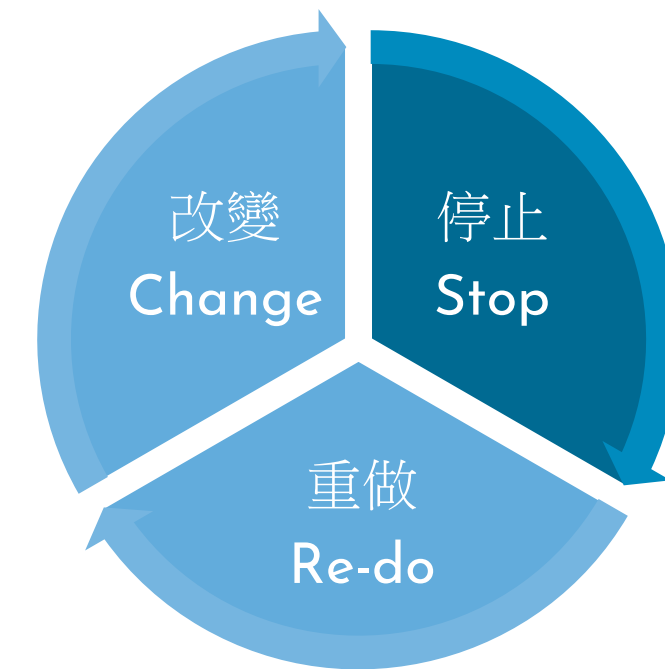
Dynamic Risk Assessment

- ✓ 檢視當日工序
- ✓ 識別危害
- ✓ 採取相應措施
- ✓ 分配各人安全責任

救命三寶

Three Life Saving Tips

1 動態風險評估 Dynamic Risk Assessment



2 現場簡報 Field Control Briefing



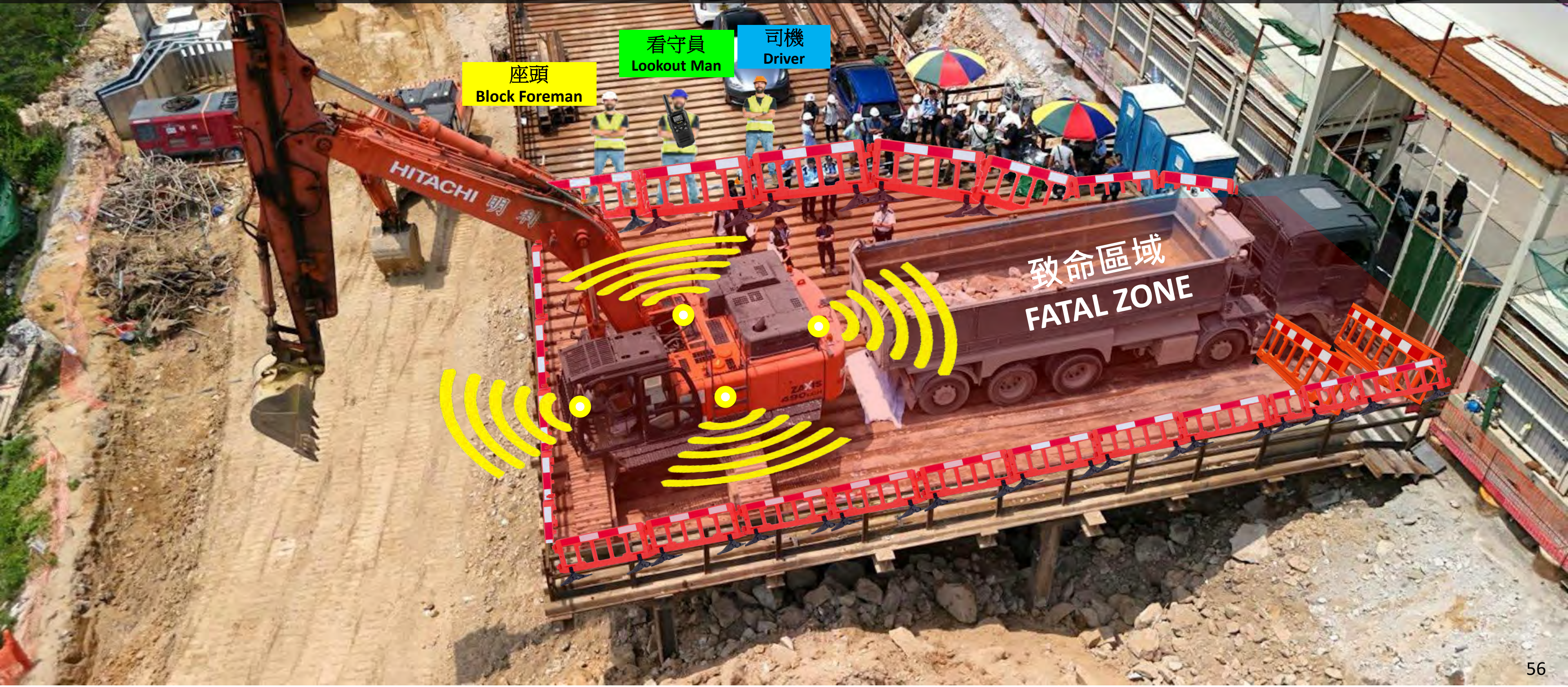
3 現場環境或工序有變， 應立即停止工作！ If changes, Stop Stop Stop !!



若誠實地使用4S，事故是可以避免！
Incidents could be avoided by implementing 4S honestly!



若誠實地使用4S，事故是可以避免！
Incidents could be avoided by implementing 4S honestly!





“工匠精神” 四個維度

Four Dimensions of
Craftsmanship

持之以恆
追求卓越
嚴於律己
推己及人

匠心

Craftsmanship

敬業樂業
高尚操守
堅韌不拔
貢獻社會

匠魂

Craftsman-soul

精益求精
守正創新
一絲不苟
技藝傳承

匠技

Craftsman-skills

專注執著
實踐真知
誠信正直
責任擔當

匠行

Craftsman-action

工
匠
精
神

心
魂
技
行



謝謝
Thank you

