

「智愛・盡責」網上研討會

WEBINAR ON SMART AND CARE, SAFETY BEYOND COMPARE

《閉幕辭》 Closing Remarks

建造業議會主席何安誠教授工程師
Ir Prof. Thomas HO, Chairman, CIC

17.09.2025



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

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



火炭工地一工人遭
工字鐵擊中並墮下不治

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： 一個填地地點
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，該工人被鏟斗一鉤被挖土機吊起的金屬吊籠，他於三天後辭世。

一工人被轉動中的挖土機
擊中受傷 三日後離世



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



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



赤鱗角工地金屬構築物
塌下致一死一傷



南區工地一工人
遭升降機機廂夾斃



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



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



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

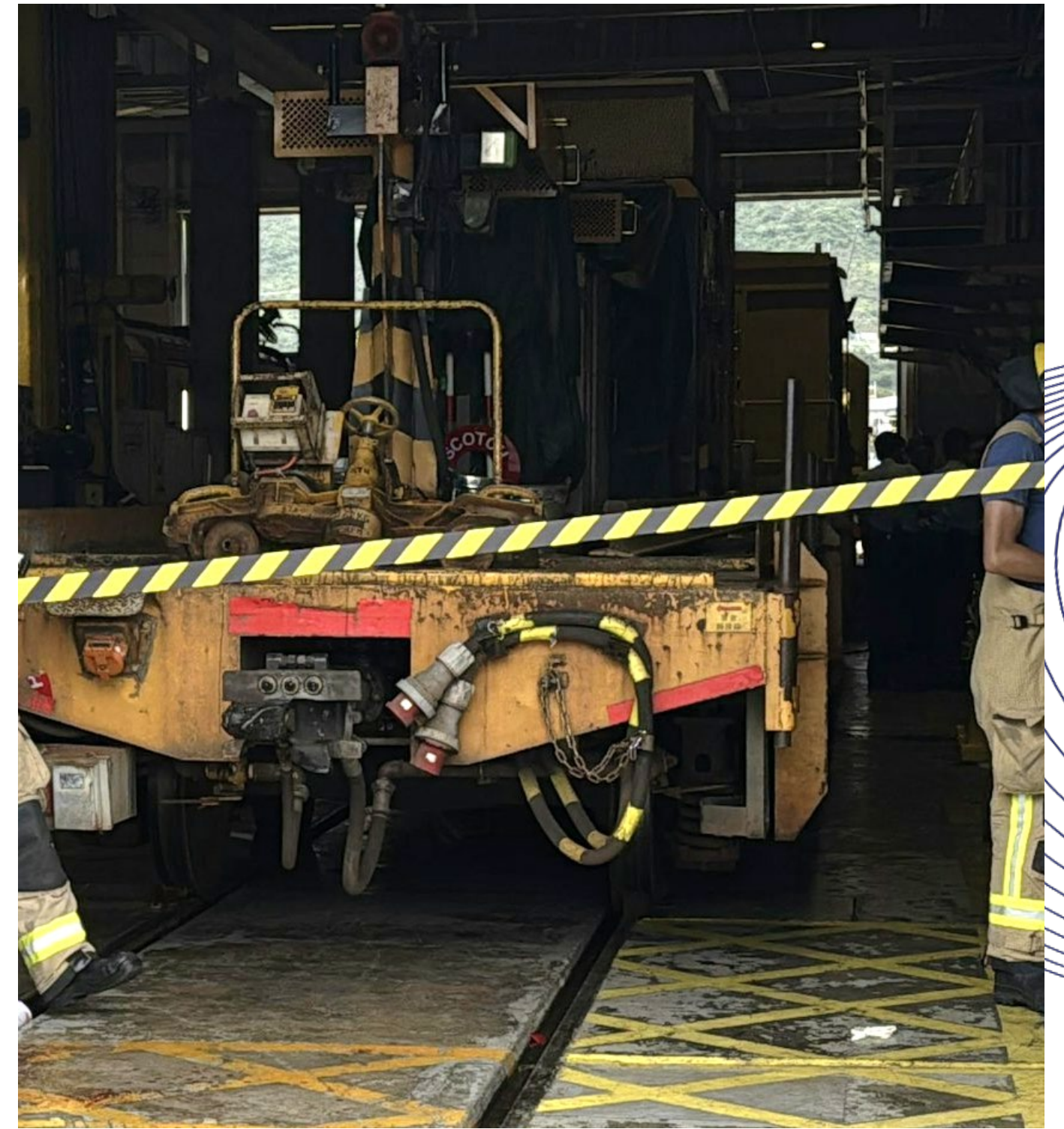
小蠔灣車廠一工人遭倒後的工程列車撞倒身亡 (其他行業 *Another Industry*)

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



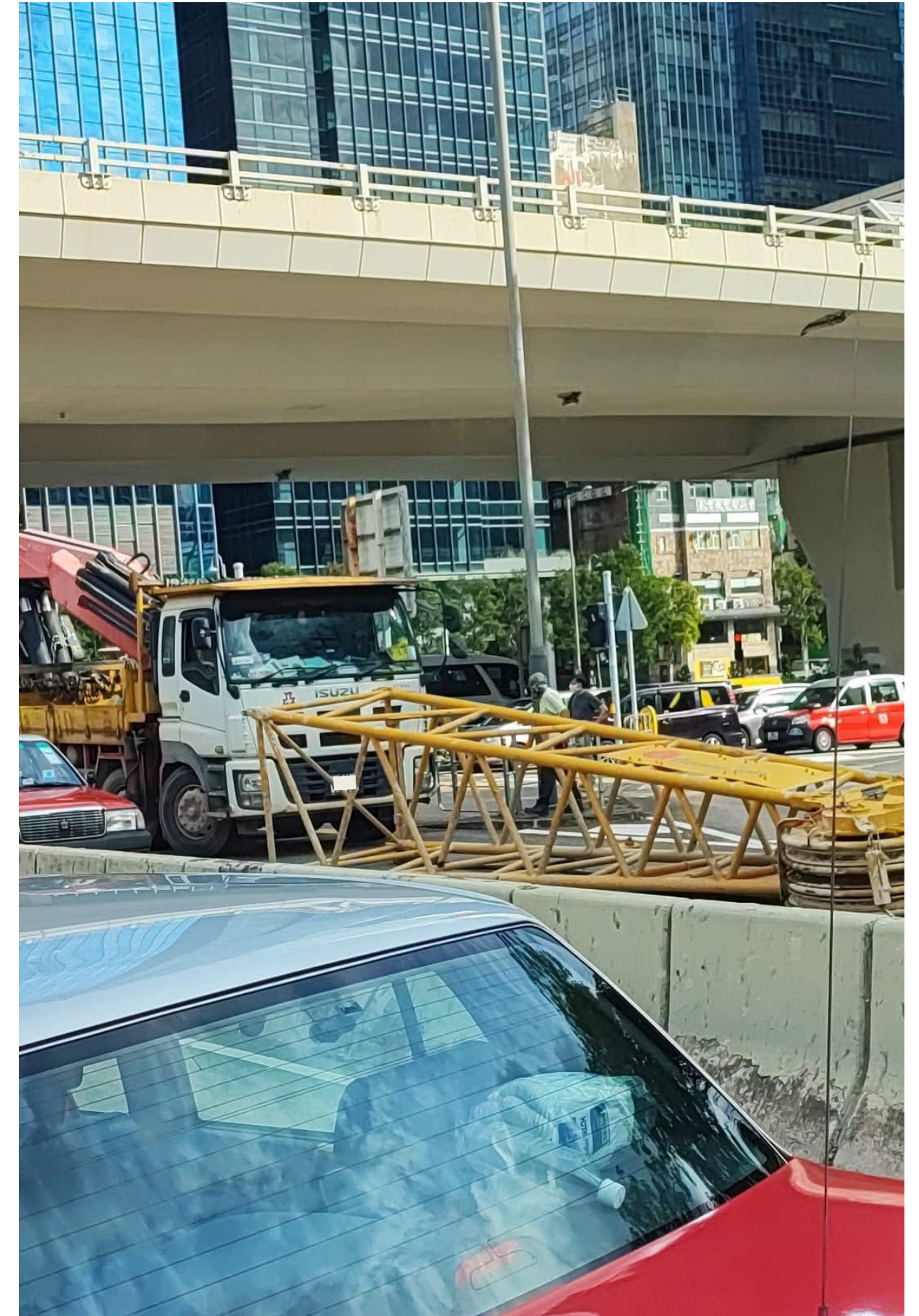
2025年8月20日

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

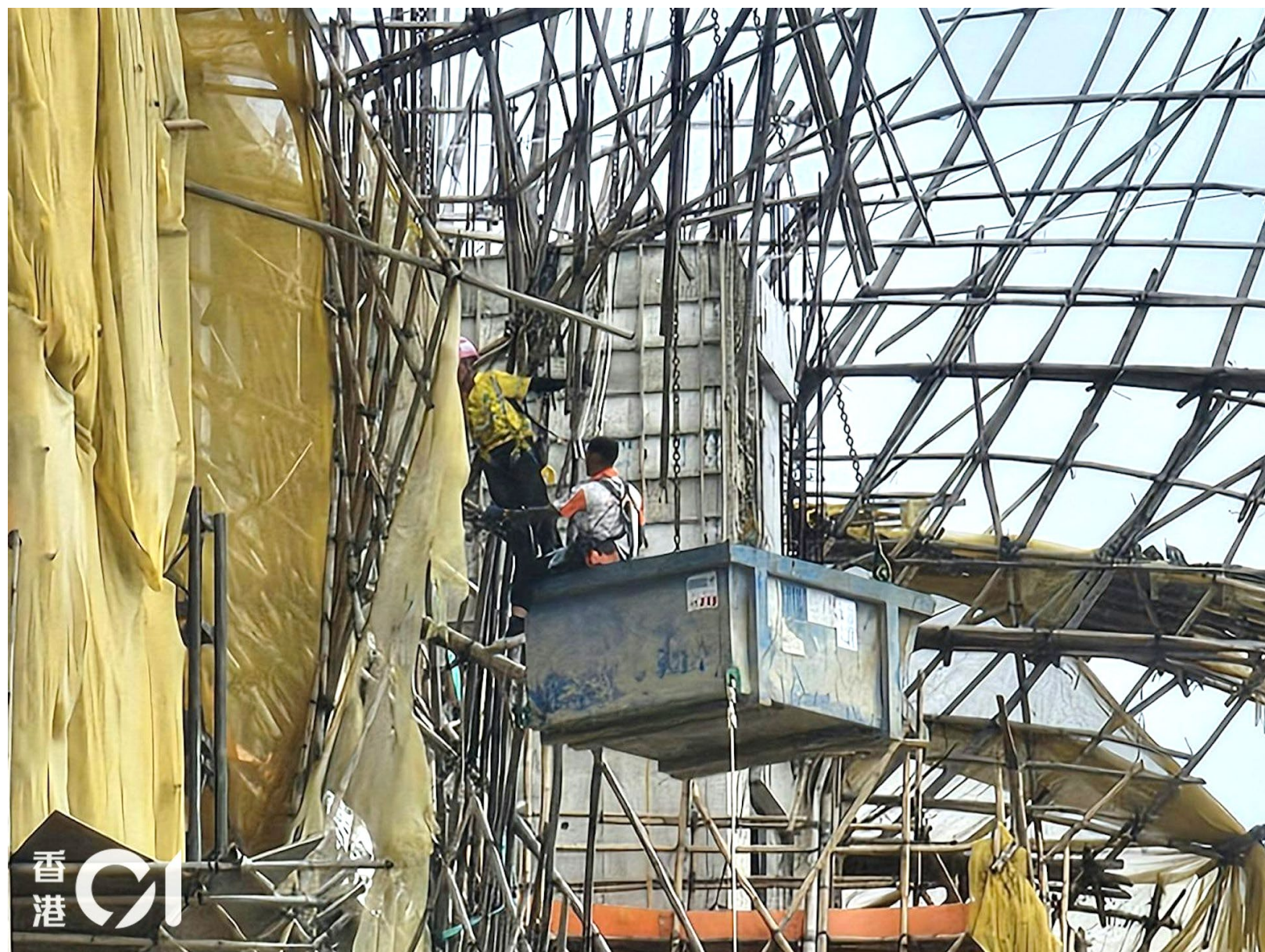
Photos from social media platform



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

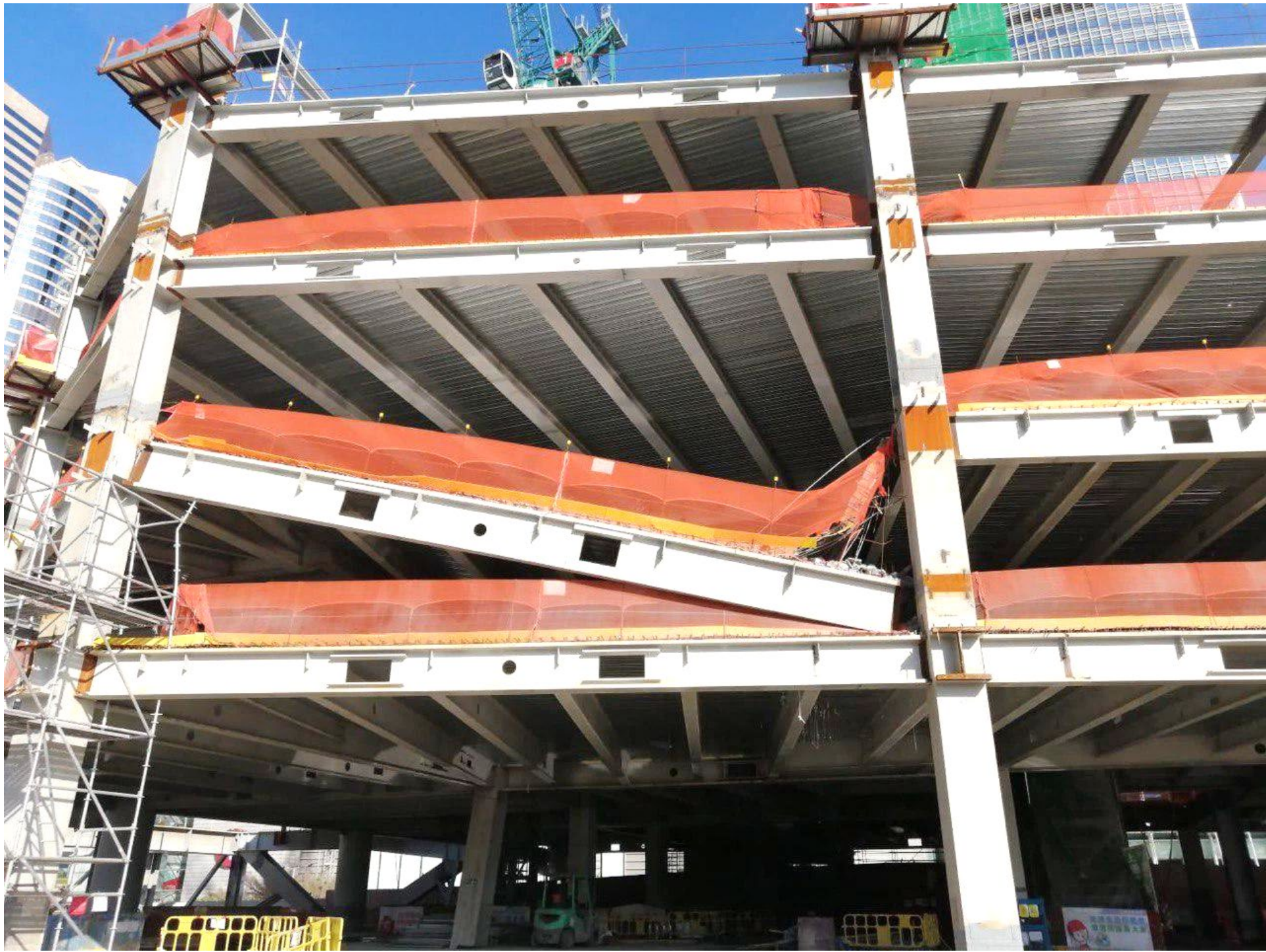


資料來源：HK01

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

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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

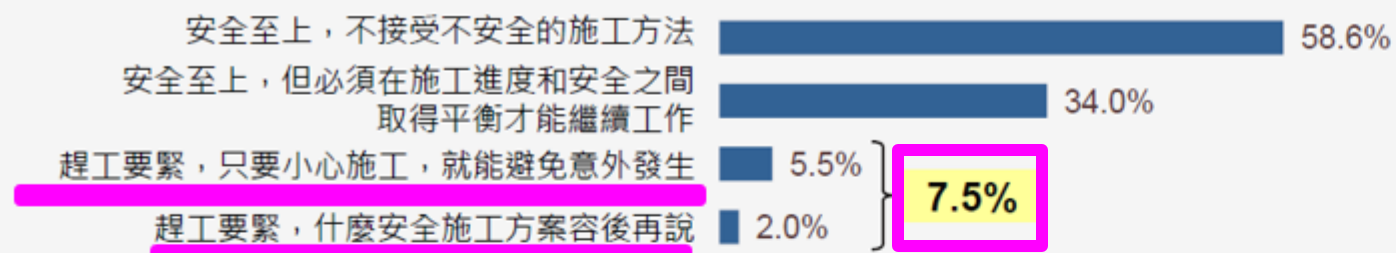
主題: 工友情景題

Topic: Scenario-based Questions for Workers

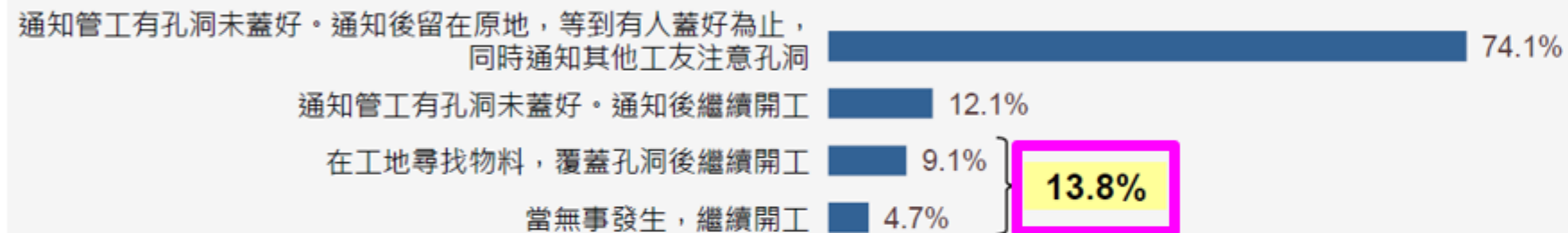
有7.5%到13.8%的工友選擇了明顯錯誤的答案，顯示安全意識仍需加強。

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

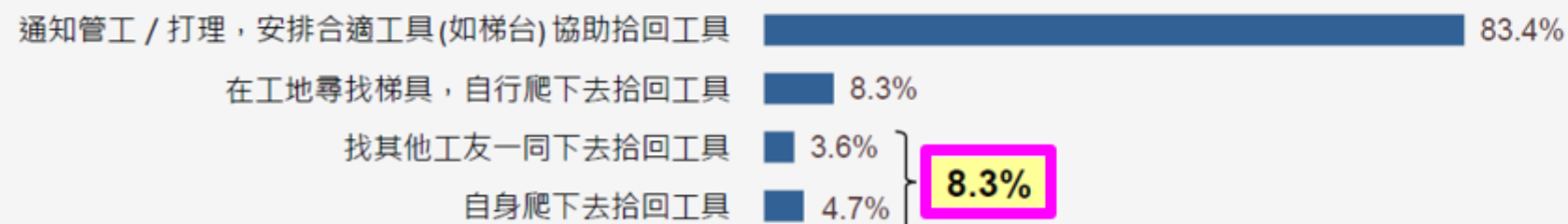
假設地盤趕工，您會選擇哪種態度？



如果發現有孔洞，您會怎樣處理？



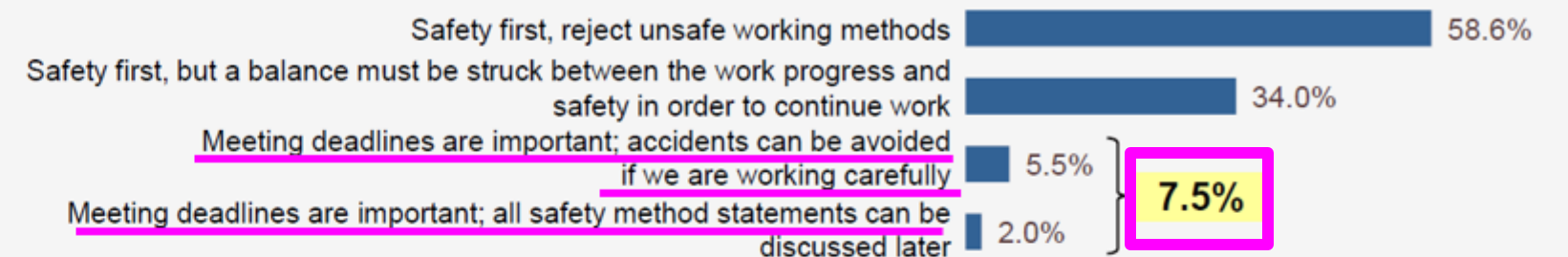
如果工作的工具跌入孔洞內，您會怎樣處理？



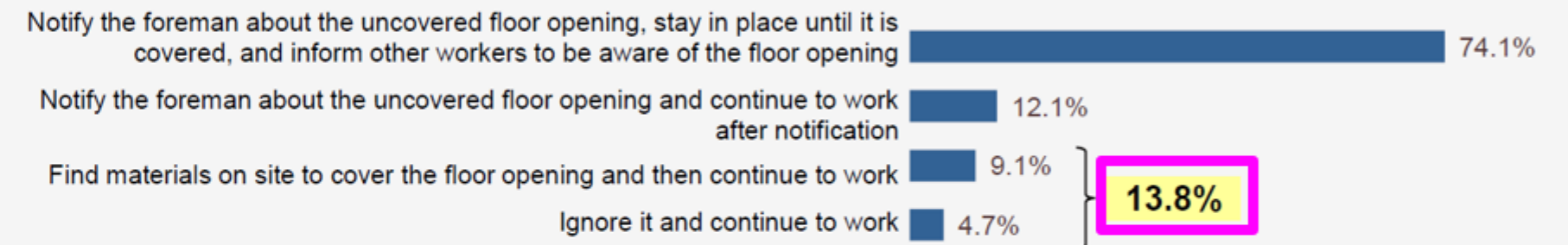
(N = 1,384)

0% 20% 40% 60% 80%

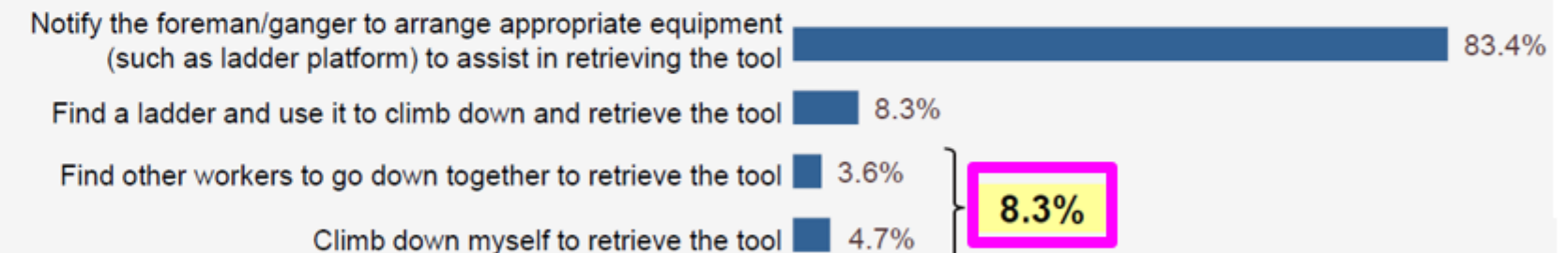
What attitude would you choose if the site is rushing to meet deadlines?



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"

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• 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

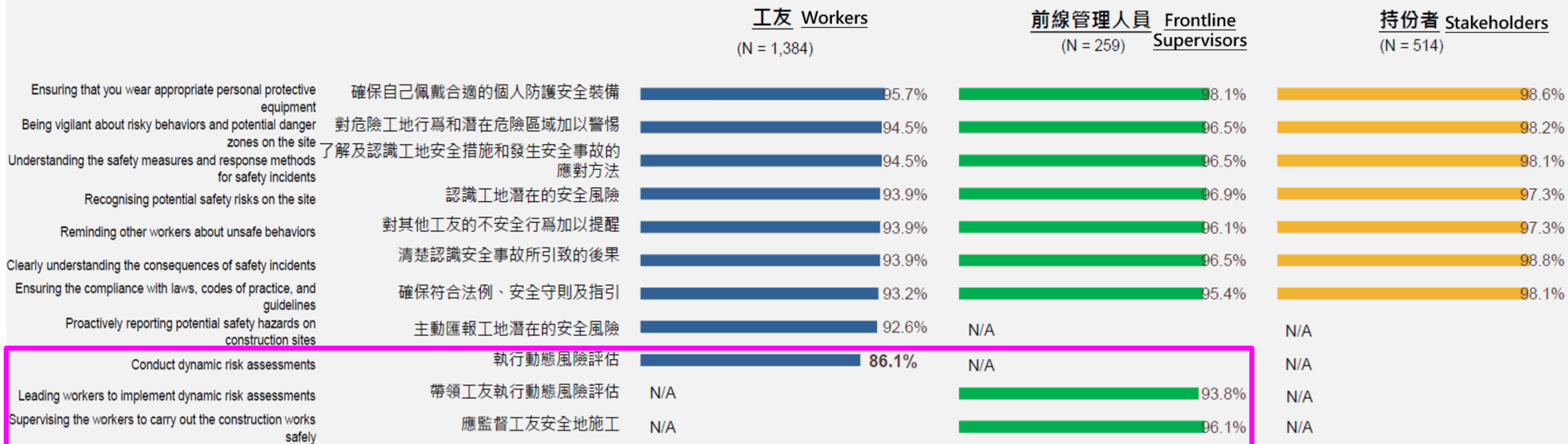
Survey on Safety Awareness 2024

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

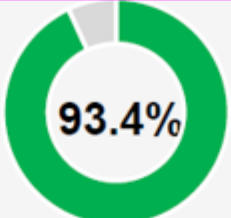
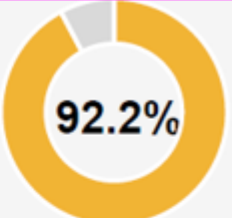
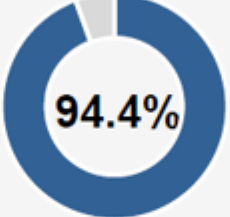
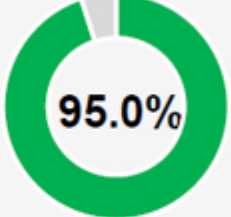
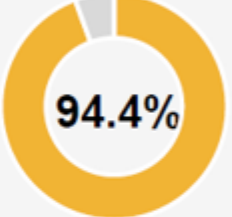
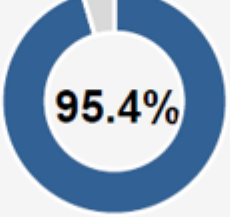
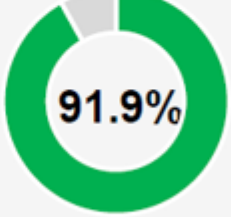
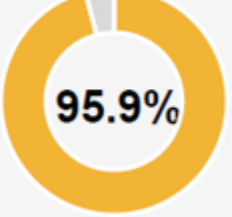
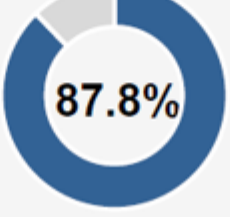
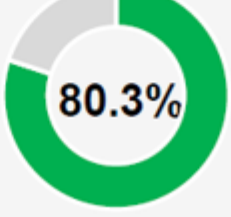
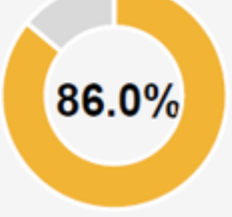
Topic: Enhancement of the Safety Culture Factors

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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)			
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)			
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)			
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)			



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

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◆ 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.

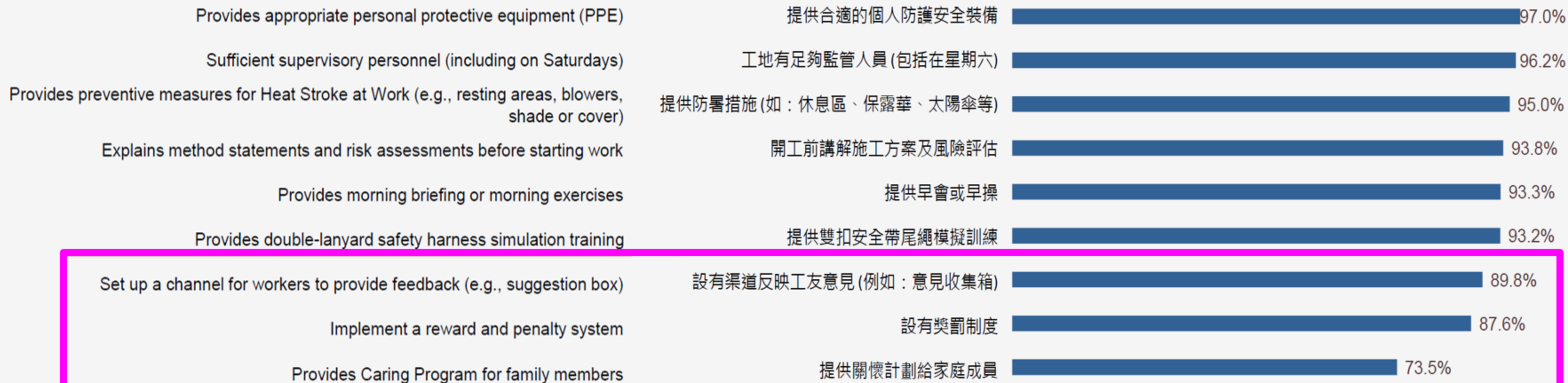
➤ 有一至兩成多的工友指工地缺乏表達意見渠道、獎罰制度或家庭關懷計劃。

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)

Measures

措施



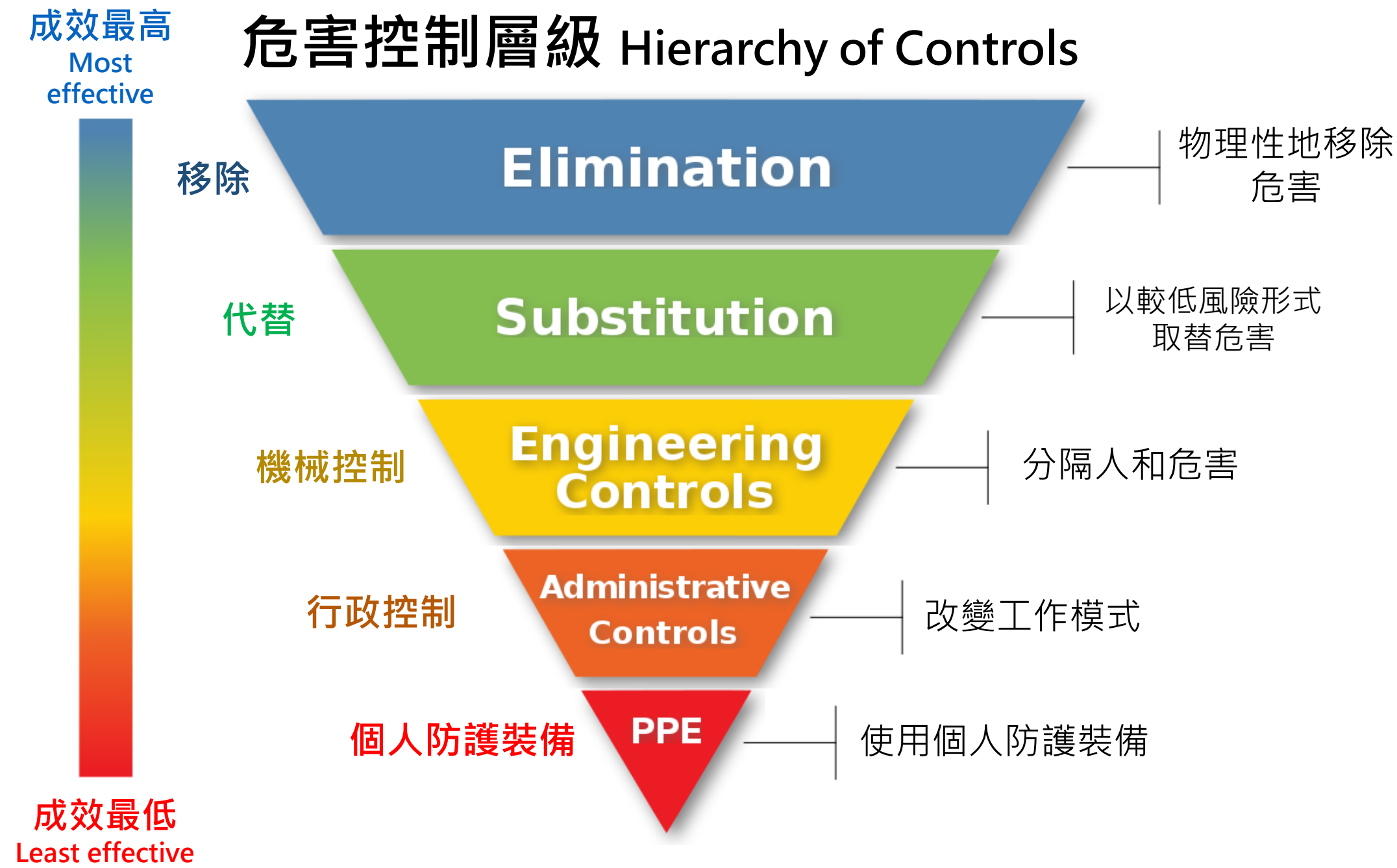
(N = 1,384)

0% 20% 40% 60% 80% 100%

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

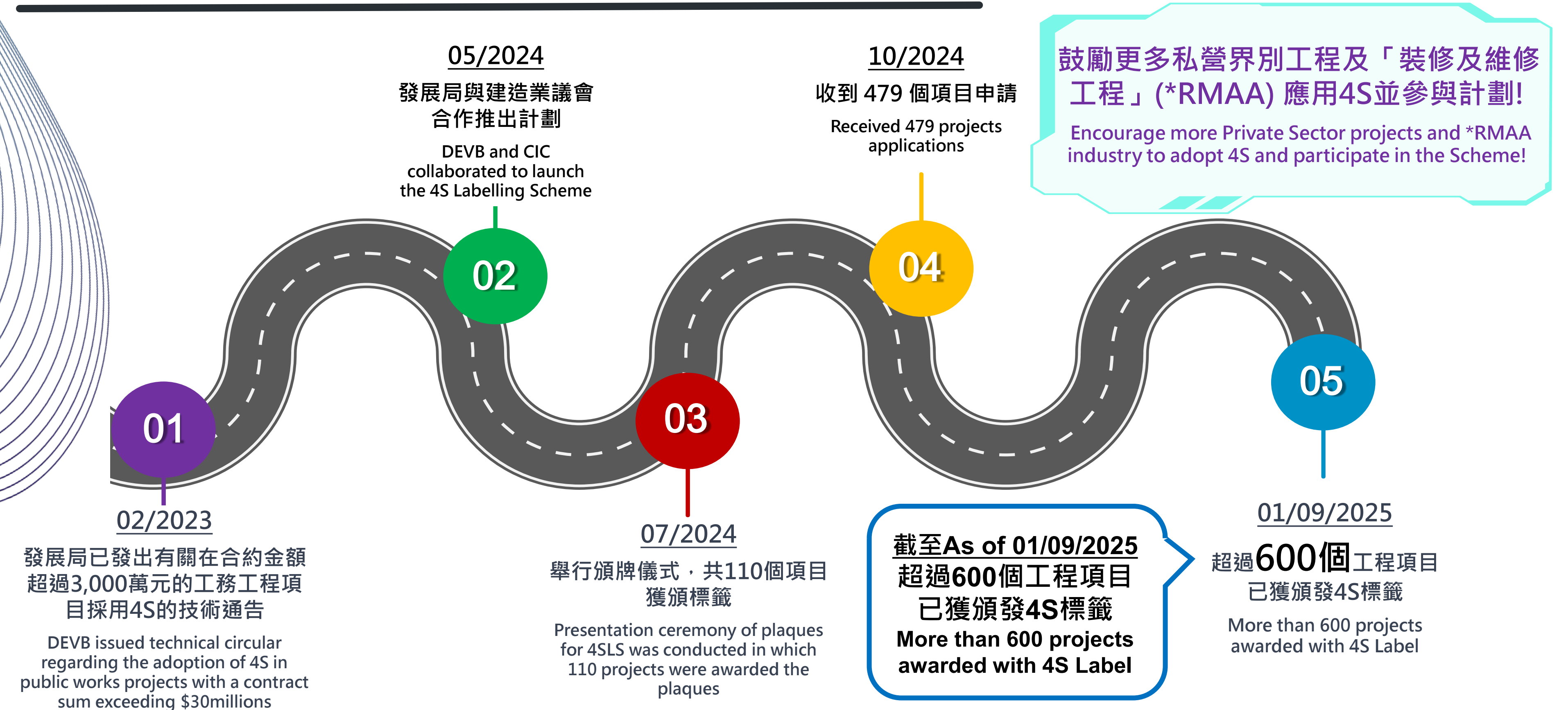
👍 Eliminate or reduce risks from the sources



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

安全智慧工地系統標籤計劃 ("計劃")

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



*Note: "RMAA" is the abbreviation for "Repair, Maintenance, Alteration and Addition"

前線人員安全表現紀錄計劃

Frontline Personnel Safety Performance Recording Scheme

盡責

SAFETY BEYOND
COMPARE

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.

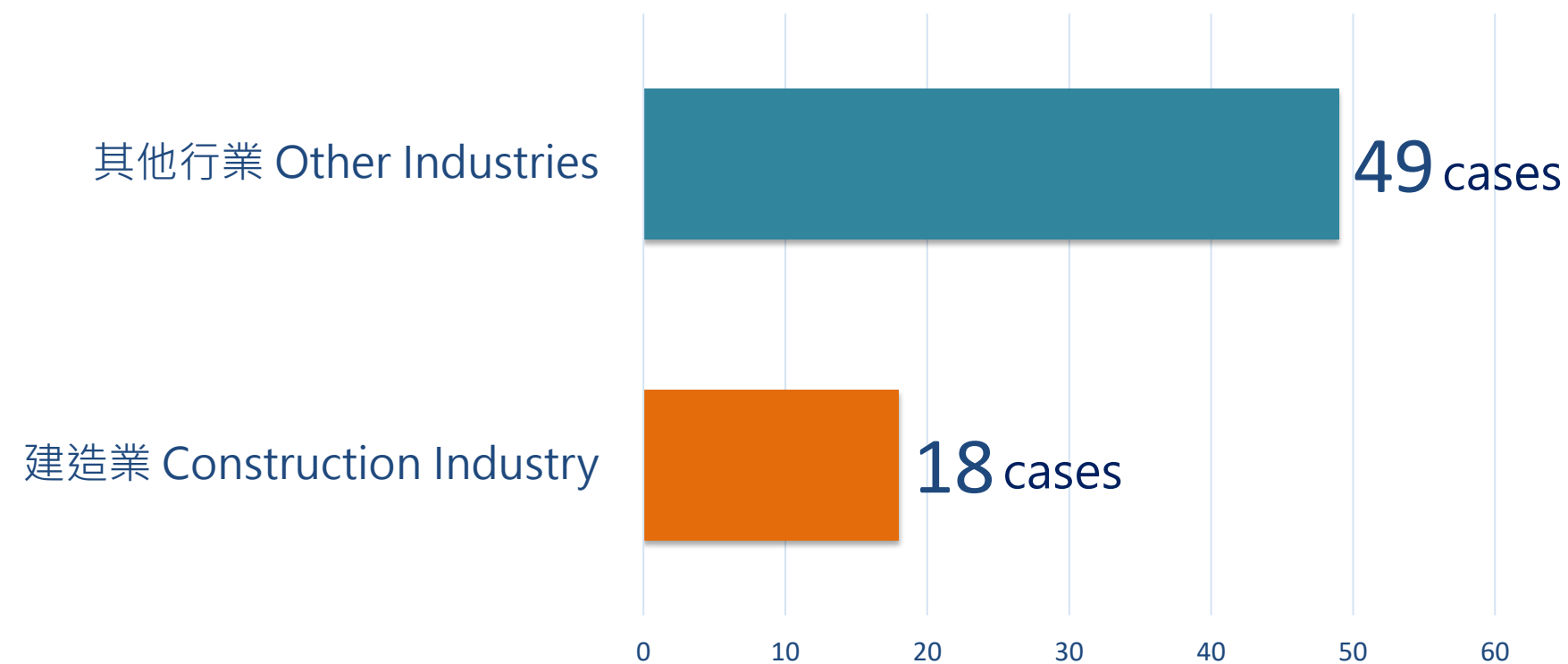
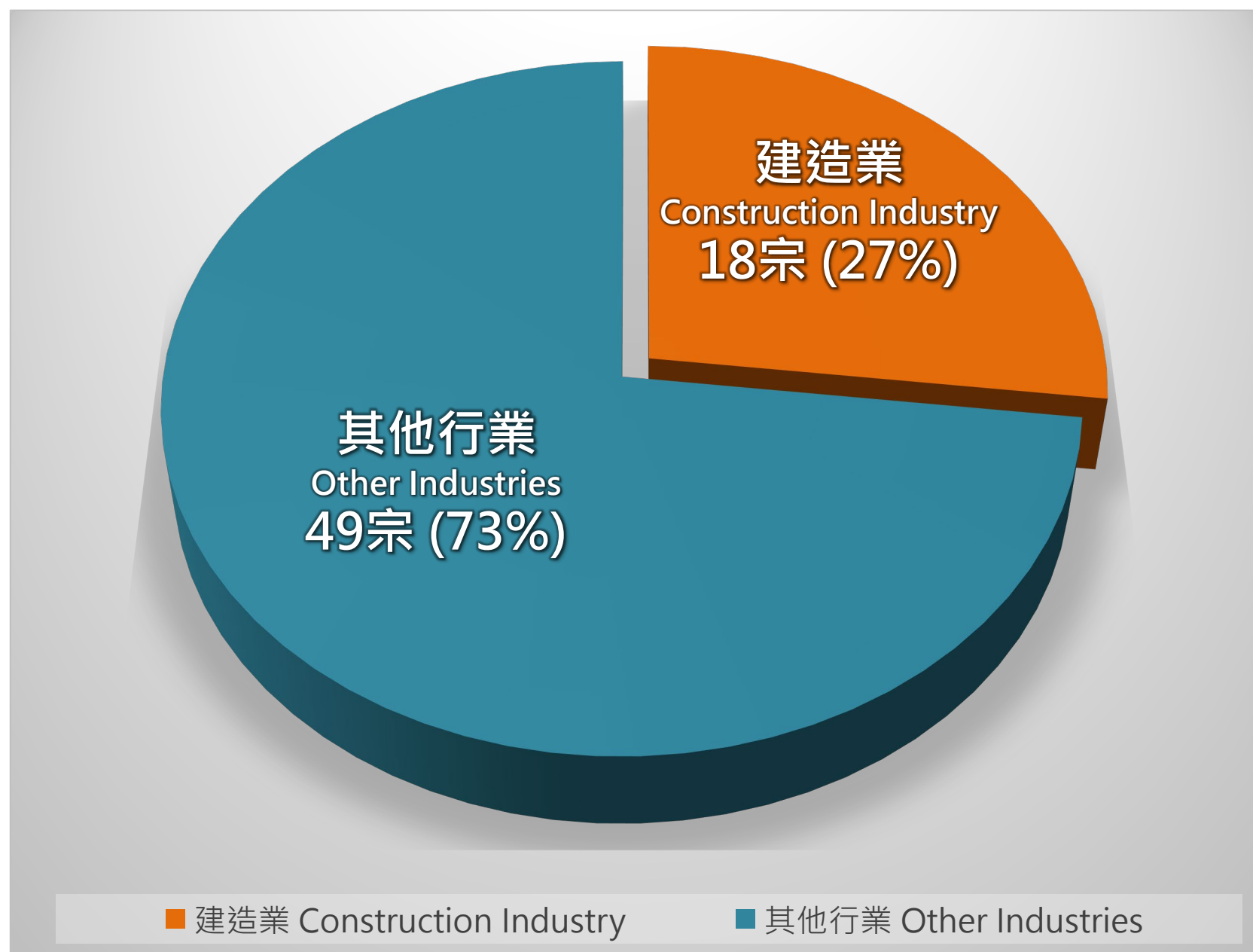
2025年4月2日啟動
Kick-started on 2/4/2025



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

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

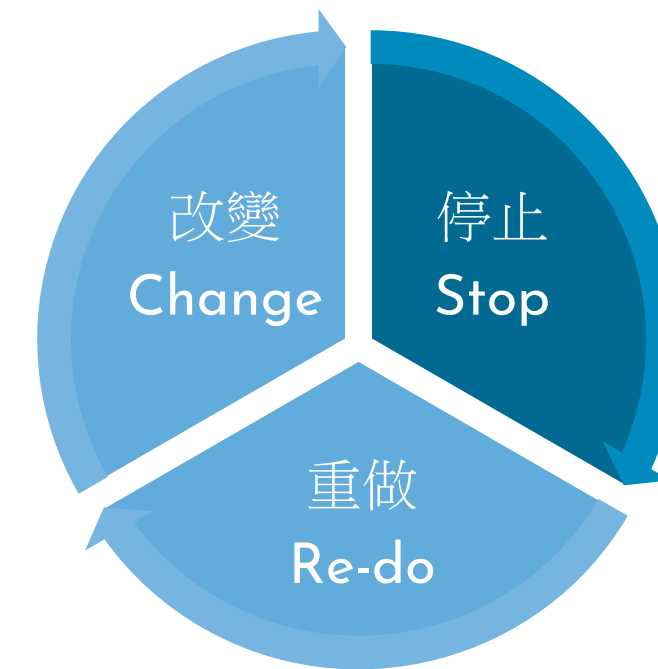
Dynamic Risk Assessment

- ✓ 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 !!





“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

