



**4. Questionnaire**

Answer by placing a “✓” in the relevant box for each question (hold “Shift” and type “p” for questionnaires filled out electronically).

To avoid confusion, the term “construction safety” as referred to below should be taken to mean the safety of the public, the end-user, workers and staff and any others affected by the construction, operation, maintenance and demolition of a construction project.

The term “designer” should be taken to mean engineers or architects, employed either by a contractor or a client that prepare design drawings and calculations for construction or implementation on a project.

**Section 1 – To be answered by all**

**1.1a Name and contact details** (information to remain confidential)

Name: \_\_\_\_\_  
Email (not compulsory): \_\_\_\_\_

**1.1b Organisation name** (information to remain confidential)

\_\_\_\_\_

**1.2 Most common role of organisation in construction projects** (tick one box only)

- A. Private sector client    \_\_\_\_\_    B. Architect    \_\_\_\_\_    C. Design engineer    \_\_\_\_\_
- D. Contractor    \_\_\_\_\_
- E. Other (please provide details below):    \_\_\_\_\_

\_\_\_\_\_

**1.3 Description of individual's role within organization**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



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**1.4 Type of construction projects involved in** (more than one box may be ticked)

- A. Buildings \_\_\_\_\_ B. Roads \_\_\_\_\_ C. Rail \_\_\_\_\_  
D. Tunnels \_\_\_\_\_ E. Utilities \_\_\_\_\_  
E. Others (please specify):

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**1.5 How do you perceive the current status of construction safety in Hong Kong?** (tick one box only)

- A. Acceptable, with no need for improvement \_\_\_\_\_  
B. Slightly below acceptable, with limited need for improvement \_\_\_\_\_  
C. Generally unacceptable, with the need for significant improvement \_\_\_\_\_  
D. Totally unacceptable, with the need for dramatic improvement \_\_\_\_\_

**1.6 How do you perceive the public image of the construction industry in Hong Kong in relation to safety?** (tick one box only)

- A. Excellent \_\_\_\_\_ B. Good \_\_\_\_\_ C. Acceptable \_\_\_\_\_  
D. Poor \_\_\_\_\_ D. Very poor \_\_\_\_\_

**1.7 How do you perceive the overall human cost of accidents on construction projects in Hong Kong?** (tick one box only)

- A. Very high \_\_\_\_\_ B. Significant \_\_\_\_\_ C. Minimal \_\_\_\_\_  
D. Negligible \_\_\_\_\_

**1.8 What do you consider the financial cost to the Client of accidents on a project commonly to be?** (tick one box only)

- A. High cost, significant to overall cost \_\_\_\_\_  
B. Medium cost, not desired but can be accommodated \_\_\_\_\_  
C. Low cost, limited impact to overall cost \_\_\_\_\_  
D. Negligible cost \_\_\_\_\_



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**1.9 What do you consider the financial cost to the Contractor of accidents on a project commonly to be?** (tick one box only)

- A.. High cost, significant to overall cost -----
- B. Medium cost, not desired but can be accommodated -----
- C. Low cost, limited impact to overall cost -----
- D. Negligible cost -----

**1.10 What do you consider the programme delays due to accidents on a project commonly to be?** (tick one box only)

- A.. Significant delays, substantially affecting the commissioning date of a project -----
- B. Some delays that can be accommodated -----
- C. Minimal delays -----
- D. Negligible delays -----

**1.11 What do you consider the role of clients should be in facilitating the safety of construction workers, end-users, the public and maintenance workers as related to construction projects?** (tick one box only)

- A. Proactive and highly engaged and implementing strong safety initiatives, demanding the highest standards from engineers, architects and contractors -----
- B. Periodically engaged and with some safety initiatives implemented, encouraging engineers, architects and contractors to achieve higher standards -----
- C. Occasionally engaged, role generally passive with the responsibility of safety initiatives and standards generally given to others such as the government, architects, engineers and contractors -----
- D. Seldom engaged and no role to play -----

**1.12 How often do you perceive the role of clients as per your answer to 1.11 is fulfilled?** (tick one box only)

- A. Often -----
- B. Sometimes -----
- C. Seldom -----
- D. Never -----



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1.13 What do you consider the role of architects should be in facilitating the safety of construction workers, end-users, the public and maintenance workers as related to construction projects? (tick one box only)

- A. Proactive and highly engaged and with active involvement in safety initiatives and a high level of attention given to the removal and mitigation of risks through decisions made in planning and in the preparation of conceptual designs, addressing the construction, maintenance and possibly the demolition of a project in addition to its operational phase. -----
- B. Periodically engaged and with some amount of risk mitigation through decisions made in planning and in the preparation of conceptual designs -----
- C. Occasionally engaged, role generally passive with the responsibility of safety initiatives and standards generally given to others such as the government, engineers, safety supervisors and contractors -----
- D. Seldom engaged and no role to play -----

1.14 How often do you perceive the role of architects as per your answer to 1.13 is fulfilled? (tick one box only)

- A. Often ----- B. Sometimes ----- C. Seldom -----
- D. Never -----

1.15 What do you consider the role of permanent works designers should be in facilitating the safety of construction workers, end-users, the public and maintenance workers as related to construction projects? (tick one box only)

- A. Proactive and highly engaged and implementing and playing an active role in safety initiatives, with a high level of attention given to the removal and mitigation of risks through decisions made in planning and in the preparation of designs, addressing the construction, maintenance and possibly the demolition of a project in addition to its operational phase. -----
- B. Periodically engaged and with some amount of risk mitigation through decisions made in planning and in the preparation of conceptual designs -----
- C. Occasionally engaged, role generally passive with the responsibility of safety initiatives and standards generally given to others such as the government, temporary works designers, safety supervisors and contractors -----
- D. Seldom engaged other than ensuring the stability and structural capacity of designs -----

1.16 How often do you perceive the role of permanent works designers as per your answer to 1.15 is fulfilled? (tick one box only)

- A. Often ----- B. Sometimes ----- C. Seldom -----
- D. Never -----



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**1.17 What do you consider the role of temporary works designers should be in facilitating the safety of construction workers, end-users, the public and maintenance workers as related to construction projects?** (tick one box only)

- A. Proactive and highly engaged and implementing and playing an active role in safety initiatives, with a high level of attention given to the removal and mitigation of risks through decisions made in planning and in the preparation of designs, addressing the construction, maintenance and possibly the demolition of a project. -----
- B. Periodically engaged and with some amount of risk mitigation through decisions made in planning and in the preparation of conceptual designs -----
- C. Occasionally engaged, role generally passive with the responsibility of safety initiatives and standards generally given to others such as the government, safety supervisors and contractors -----
- D. Seldom engaged other than ensuring the stability and structural capacity of designs -----

**1.18 How often do you perceive the role of temporary works designers as per your answer to 1.17 is fulfilled?** (tick one box only)

- A. Often ----- B. Sometimes ----- C. Seldom -----
- D. Never -----

**1.19 What do you consider the role of contractors' management should be in facilitating the safety of construction workers, end-users, the public and maintenance workers as related to construction projects?** (tick one box only)

- A. Proactive and highly engaged, setting demanding safety targets, implementing safety measures in excess of legal requirements, ensuring staff and workers receive the highest level of training, regularly reporting accident records to all within the company, rewarding staff and workers based on safety performance, placing a high emphasis on safety performance and compliance when hiring subcontractors, promoting higher safety standards to other organizations within the industry -----
- B. Routinely engaged, with some safety initiatives introduced, ensuring that legal safety requirements are met and that staff and workers receive the minimum level of training -----
- C. Occasionally engaged with safety predominantly left to safety supervisors, workers and supervisors on site. -----

**1.20 How often do you perceive the role of contractors' management as per your answer to 1.19 is fulfilled?** (tick one box only)

- A. Often ----- B. Sometimes ----- C. Seldom -----
- D. Never -----



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1.21 How would you describe your organization's safety culture? (tick one box only)

- A. Extremely strong ..... B. Strong ..... C. Average .....
D. Weak ..... E. Very weak .....

1.22 How would you describe your organization's safety management systems? (tick one box only)

- A. Extremely strong ..... B. Strong ..... C. Average .....
D. Weak ..... E. Very weak .....

1.23 How often are accident statistics reported by your organization's management? (tick one box only)

- A. Frequently ..... B. Sometimes ..... C. Seldom .....
D. Never .....

1.24 How do you consider the relative benefit to safety of construct-only and design and construct contracts as awarded to contractors? (tick one box only)

- A. Construct-only contracts more beneficial to safety than design and construct contracts .....
B. Design and construct contracts more beneficial to safety than construct-only contracts .....
C. No significant difference between construct-only and design and construct contracts .....

1.25 What do you perceive the main obstacles to be to improving construction safety in Hong Kong? (more than one box may be ticked)

- A. A lack of experience, skills and or education of architects and design engineers .....
B. A lack of experience, skills and or education of contractors' management .....
C. A lack of experience, skills and or education of contractors' supervisory staff and or workers .....
D. A general skills shortage in the industry with an insufficient number of people opting to study, undertake training and or seek a career in construction .....
E. A lack of interest of clients .....
F. A lack of interest of architects and design engineers .....
G. A lack of interest of contractors' management staff .....
H. A lack of interest of contractors' supervisory staff and or workers .....
I. A lack of interest of learned societies and or trade organizations .....
J. Inadequate government legislation .....
K. Insufficiently high design contract sums .....





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1.27 The United Kingdom Construction (Design and Management) Regulations (CDM Regulations) of 1994 and which were updated in 2007, place legal responsibilities on virtually everyone involved in construction work - the 'duty holders.' Duty holders include clients, CDM coordinators, designers, principal contractors, contractors and workers. Clients for example are required to check the competence and resources of all appointees. Designers are required to eliminate hazards and reduce risks during design and provide information on remaining risks. One common responsibility of various duty holders is the updating and passing on of the health and safety file.

Further details on the regulations can be found at: <http://www.hse.gov.uk/construction/cdm.htm>

**Do you consider that regulations similar to the UK CDM Regulations would be beneficial to improving construction safety in Hong Kong? (tick one box only)**

- A. Yes, highly beneficial. -----
- B. Yes, of some benefit -----
- C. Possibly of benefit. -----
- D. Probably of no benefit -----
- E. No, of no significant benefit -----