HASAS(NW) - 2021Q2-2021Q3

Summary on Audit Findings 安全稽核結果

Occupational Safety and Health Council 職業安全健康局



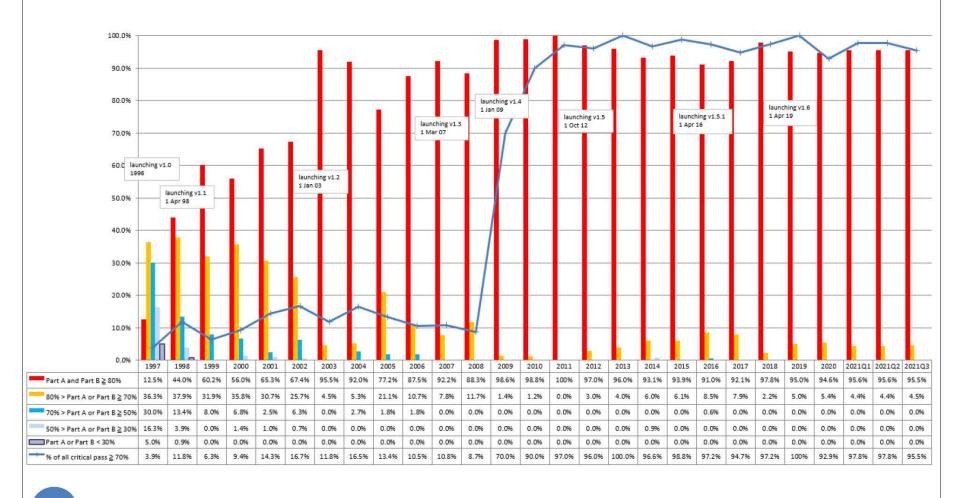
Content

- 1. Overview on HASAS (NW) & HALENSAS Performance
- 2. Summary on Audit Findings 2021 Q2 2021 Q3

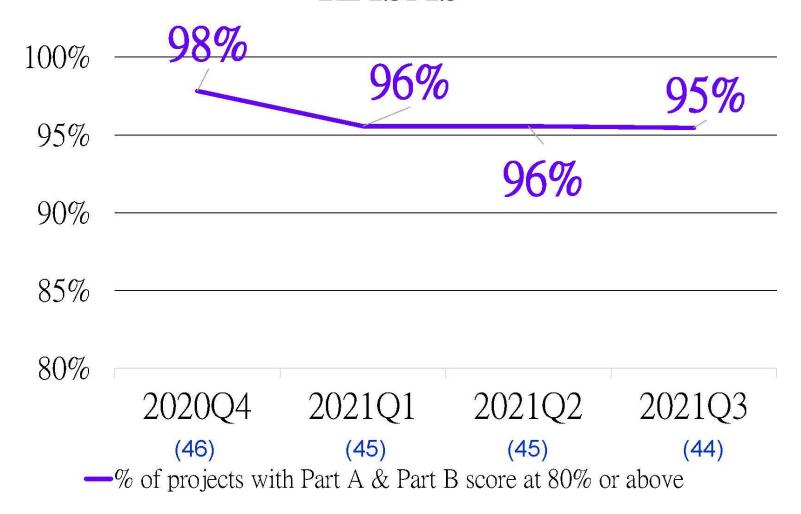
Overview on HASAS Performance 安全審核表現總覽

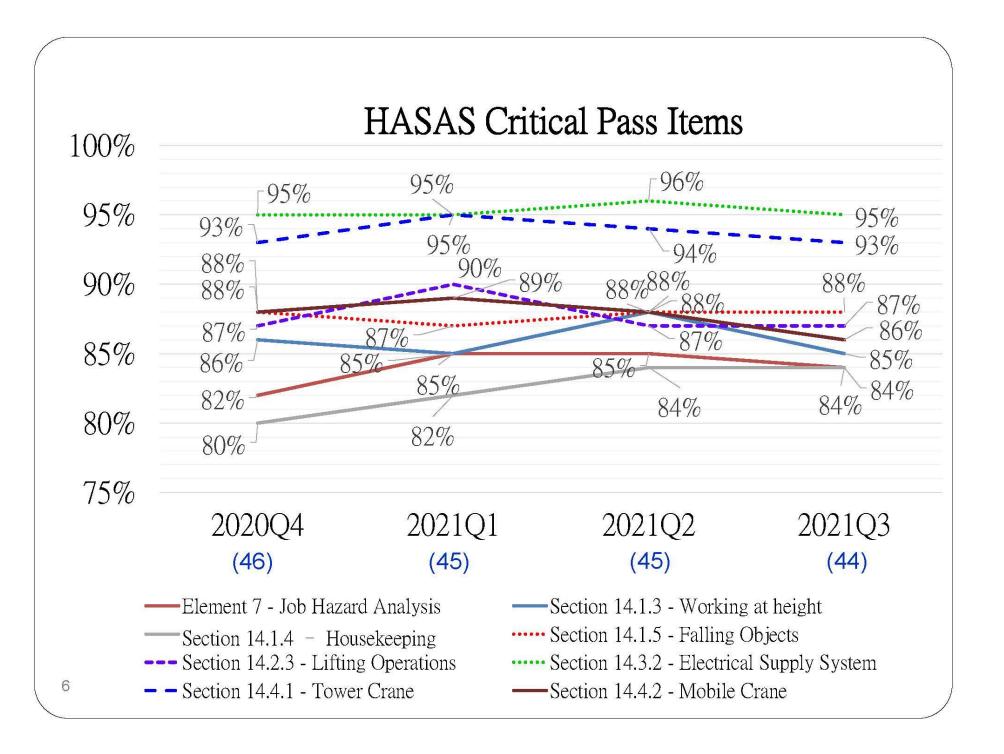
HASAS score trends of building contracts (from 1997 to 2021Q3)

HASAS score trends of building contracts (from 1997 to 2021Q3)

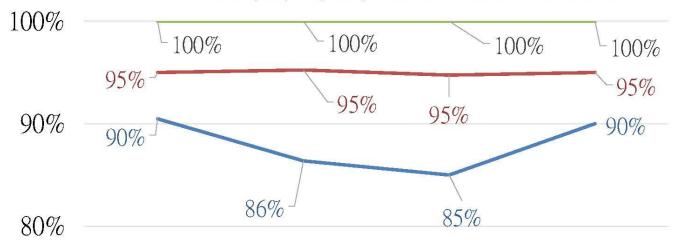








% of NSCs (EL, FS, AC) with score at 80% or above



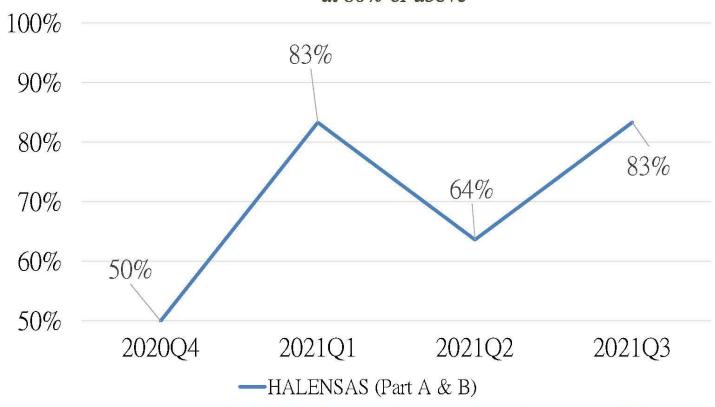
70% 2020Q4 2021Q1 2021Q2 2021Q3

—Electrical audit —FS audit —AC audit

Note: All audits (EL, FS, AC) with score at 70% or above in 2020 Q4 - 2021Q3

	2020 Q4	2021 Q1	2021 Q2	2021 Q3
Electrical audit	19(21)	19(22)	17(20)	18(20)
FS audit	19(20)	20(21)	18(19)	19(20)
AC audit	6(6)	5(5)	6(6)	6(6)

% of Lift NSC (HALENSAS) with Part A and Part B score at 80% or above



Note: All audits (HALENSAS) with Part A & Part B score at 70% or above in 2020 Q4 – 2021Q3

	2020 Q4	2021 Q1	2021 Q2	2021 Q3
HALENSAS	5(10)	10(12)	7(11)	5(6)

Safe Scaffold and Workplace 安全棚架及工作場所

- Provision of safe means of access & egress
- 提供安全進出通道





- Provision of proper working platform
- 提供合適工作平台





- Provision of safe means of access & egress
- 提供安全進出通道





- Floor opening was fenced off properly with warning notices
- 地洞妥善圍封並張貼警告標示





Electrical Works 電業作業方式

- Electric cables were properly suspended
- 電線妥善掛高





Lifting Operations 吊運工序

- Danger zone was fully fenced off
- 危險區域妥善圍封



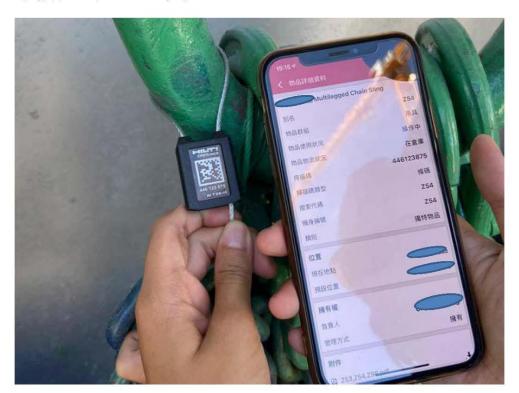


- Interlock devices for lifting hook
- 吊鈎設有互鎖式裝置





- QR code for checking lifting gears
- 使用二維碼檢查起重裝置





- Provision of tower crane lifting zone alarm system
- 提供天秤吊運區警報系統





Others 其他

- Drill rod was fully fenced off by rigid barriers
- 使用穩固圍欄圍封鑽桿





- Provision of height limit alerting system of site vehicle
- 提供地盤車輛高度限制警報系統





- RFID system to prevent from collision
- 無線射頻辨識系統預防碰撞意外





Safety Innovation 創新工地安全措施

BIM for Safe Construction of Arena Roof

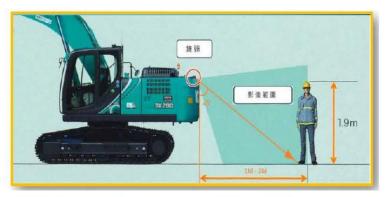




- BIM ensured the feasibility and accuracy of the "All-In-One Lifting" Method for the installation of Roof Steel Truss of GIC-Multi-Purpose Arena. It reduced enormous works at high level and aided rehearsal for workers to get familiarized with the working procedures.
- 透過使用建造資訊模型(BIM),確保使用創新方法於多用途體育館安裝天花鋼結構的可行性和準確性,大大減低高空工作的需要,而透過使用BIM進行安全訓練,能令工人更熟悉相關工作程序及安全措拖。

Safety Innovation 創新工地安全措施

I-Vision Smart 360° AI Monitoring System





- I-Vision Smart 360°AI Monitoring System was developed to reduce bling spot surrounding the excavator. The monitoring system can minimize accident occurrence as the system can provide a prompt warning to operations and workers approaching the excavator within 2-meter.
- 應用360°人工智能偵測系統於挖掘機可有效避免操作時出現盲點。偵測系統可偵測到2米内的人像,警報器會發出警號及閃燈亦會不斷運作,以作提示接近挖掘機的人士以及操作員,可減少意外的發生。

Safety Innovation 創新工地安全措施

AI Monitoring System for mobile crane operation





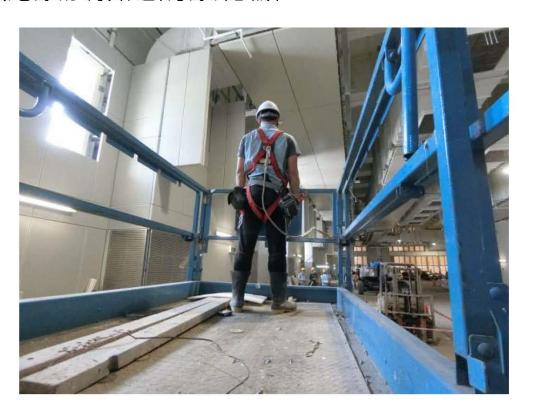
- AI monitoring system for mobile crane can automatically generate alert to surrounding workers and frontline supervisors once it detects unsafe lifting operations. Furthermore, the system can also automatically record the unsafe lifting operations to the database for analysis, education and other promotional activities.
- AI流動式起重機操作監察系統能偵測不安全吊運操作以及發出警號提醒附近工人以及管理人員。另外,系統會自動記錄不安全吊運操作於資料庫以作分析及培訓推廣之用。

HASAS(NW) - 2021Q2-2021Q3 Summary on Audit Findings (NSC) 安全稽核結果(指名承判商)

Occupational Safety and Health Council 職業安全健康局



- Worker anchored lanyard at designated anchorage point
- 工友把尾繩繫於指定的繫穩點





- Proper step platform was used
- 使用合規格的梯台







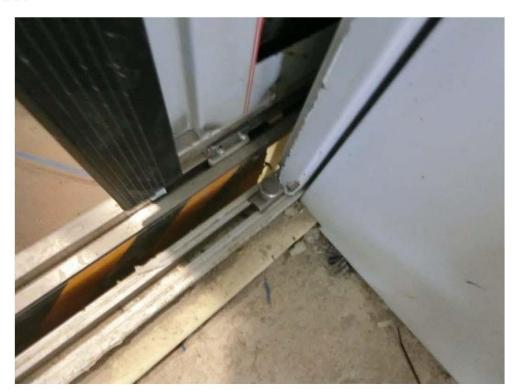
HALENSAS - 2021Q2-2021Q3

Summary on Good and Bad Practices 安全稽核結果

Occupational Safety and Health Council 職業安全健康局



- Provision of door stopper
- 提供攝門器





The END

Thank You!