

Construction Safety Week 2020 Sharing



Main Contractor:	China State Joint Venture
Contract No.:	DC/2018/05
Contract Title:	Relocation of Sha Tin Sewage Treatment Works to Caverns - Site Preparation and Access Tunnel Construction
Project Owner:	Drainage Services Department
Supervising Company:	AECOM Asia Company Limited



AECOM



CHINA STATE
JOINT VENTURE

第一階段工程的範圍： Stage 1 Works:



Scope of Work

- Site formation
- Retaining structures
- Access tunnel
- Access road
- Temporary steel bridge
- Temporary noise barrier
- Community liaison center
- Utilities diversion

Site Constraint

- Schools & residential buildings
- Caring facilities
- Grave over 100yrs
- Valuable rare flora species
- Works space limitation
- Natural stream



Site Safety Performance and Recognition

受長新居民新村
 蔡謝遠

致香港特別行政區渠務署、艾美康顧問有限公司及中國建築聯會
 合約編號: DC/2018/05
 新界沙田水處理廠擴建工程 - 工廠前之交通改道及渠務工程

貴署、渠務署、艾美康顧問有限公司及中國建築聯會相關人員，在擴建沙田水處理廠擴建工程 - 工廠前之交通改道及渠務工程過程中展現的專業知識及支持，

ZERO ACCIDENT

總括而言，這項工程雖然技術複雜、項目、時間及資源均具挑戰性，但各方積極配合，務求達成工程目標。

本人謹代表所有參與此項工程的僑胞、僑領、僑團、僑商、僑生、僑工及僑界人士，向貴署、渠務署、艾美康顧問有限公司及中國建築聯會致以誠摯的謝意，並對擴建沙田水處理廠擴建工程 - 工廠前之交通改道及渠務工程的成功完成表示祝賀。

此致，上述人員，祝好！

蔡謝遠
 沙田區公署
 渠務委員會

二〇一九年十一月八日

鄰舍輔導會怡欣山莊
 THE NEIGHBOURHOOD ADVICE-ACTION COUNCIL
 HARMONY MANOR
 新界沙田亞答角山路45號
 電話/Tel: 2637 9000 傳真/Fax: 2637 9298 電郵/E-mail: hman@naac.org.hk

業務部
 羅晉強謹啟

鄰舍輔導會怡欣山莊、渠務署及渠務署「新界沙田水處理廠擴建工程」將會在山莊附近興建「臨時炸藥儲存庫」、「通風井」及「維修開工工程」後，對這些工

務署繼續帶同公司團隊，與山莊保持良好的溝通與合作關係，以減低工程對我們的影響。

敬祝
 工程順利！

羅晉強
 渠務署

二零一九年十一月八日

附件：怡欣山莊家屬及職員聯署名單

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 電話/Tel: 2527 4567, 2527 8888 傳真/Fax: 2528 6552 電郵/E-mail: ha@naac.org.hk HMA/Website: www.naac.org.hk

總辦事處(人力資源部)：香港灣仔軒尼詩道119號渣打銀行大廈704室
 Head Office (HR Dept.): Rm. 704, Duke of Windsor Social Service Bldg., 119 Hennessy Road, Wanchai, Hong Kong.

感謝信

致：香港特別行政區渠務署、艾美康顧問有限公司及中國建築聯會
 合約編號: DC/2018/05
 新界沙田水處理廠擴建工程 - 工廠前之交通改道及渠務工程

感謝渠務署、艾美康顧問有限公司及中國建築聯會的相關地盤工程人員於進行擴建沙田水處理廠擴建工程、工廠前之交通改道及渠務工程工程過程中提供的關懷及協助。

本人謹代表沙田區平林工業的僑胞、僑生、僑工及僑界人士，向貴署、渠務署、艾美康顧問有限公司及中國建築聯會致以誠摯的謝意，並對擴建沙田水處理廠擴建工程 - 工廠前之交通改道及渠務工程的成功完成表示祝賀。

NO PROSECUTION

沙田區平林工業的僑胞、僑生、僑工及僑界人士

林偉生
 6.2.2020

Implementation of Behaviour Advancement Programme

Period \ Observation	1st Task	2nd Task	3rd Task	4th Task
Site Vehicle and Mobile Plant Driving	✓			
Work at Height		✓		
Mechanical lifting for mobile cranes			✓	
Confined Space				✓

Implement 2 BAP tasks concurrently

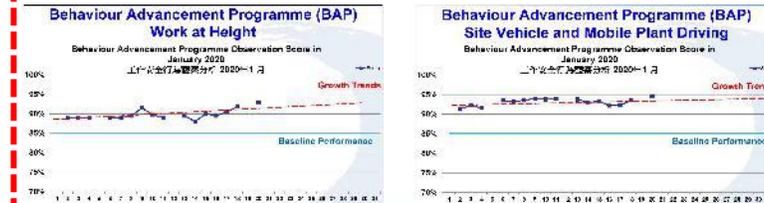
Task 1: Work at height



Task 2: Site vehicle & mobile plant



Evaluation and analysis



Follow-up training



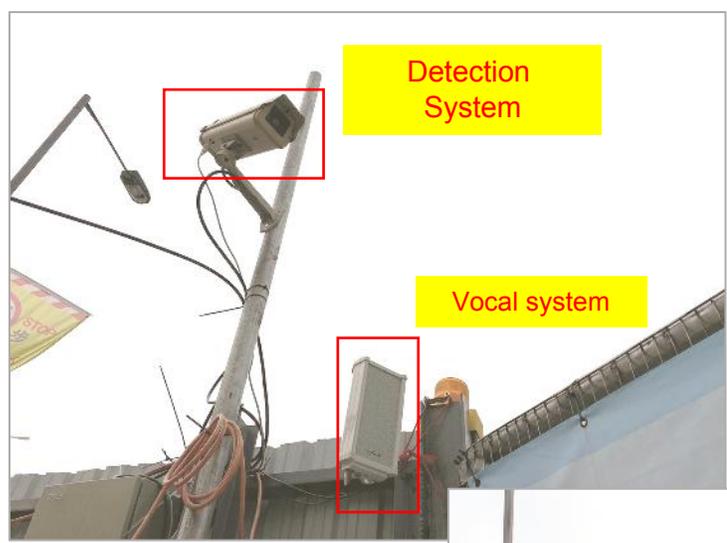
Adopt MiC for Construction of Community Liaison Center



Adopt DfMA for Bridge Construction



AI system for Enhancement of Safety Performance



Adopt Safety Devices to Streamline Site Safety Control



Lightning distance detector

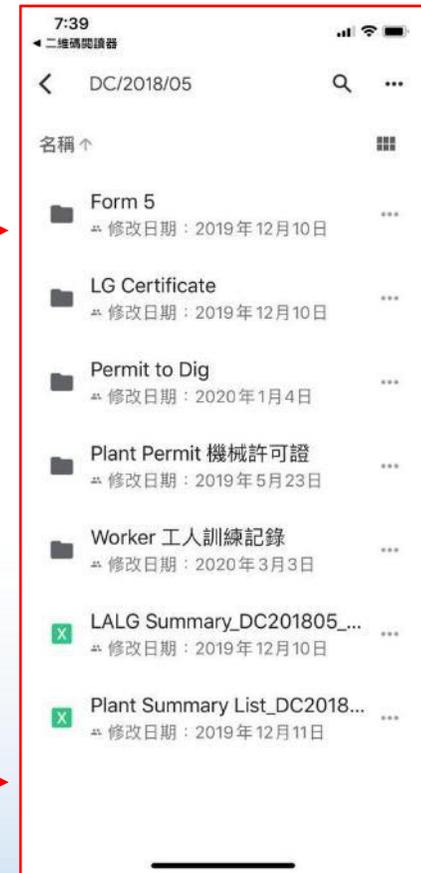
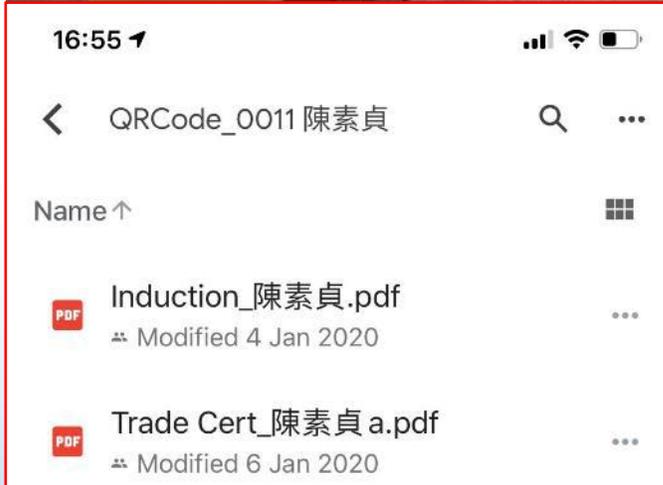


Gas leakage detector

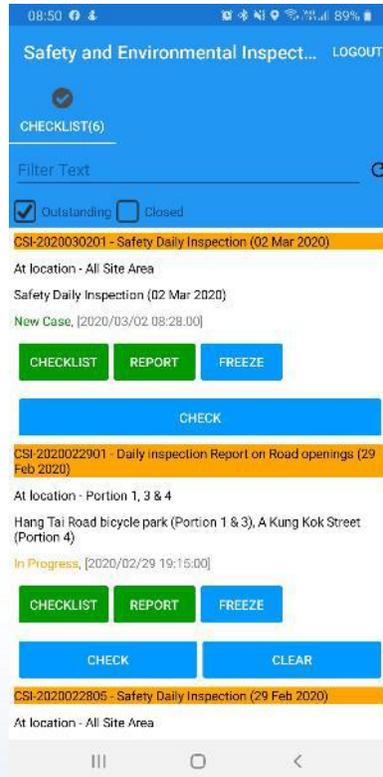


Solar audio broadcast device

QR Code System for Enhancement of Safety Management



Develop E-Safety Inspection Apps to Resolve Safety Issues More Effectively

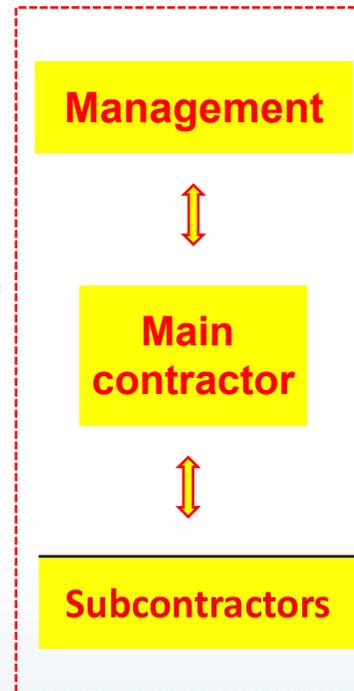
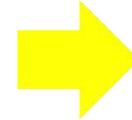


E-Safety Inspection Apps



Editable checklist to cope with actual works

Instant notification



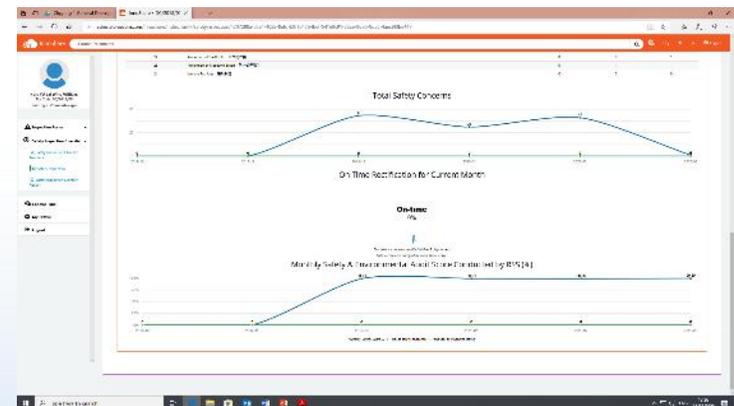
Extend to include the participation of all Subcontractors



Prompt reaction to rectify unsafe conditions

No	Item_description	Y	N	NA	Agreed date for completion	Date completed	Rectification Status
3	Check and ensure the gas hoses / pressure gauge in good condition 定期檢查氣體軟管 / 壓力錶是否狀況良好		✓		22-2-2020	20-2-2020	Accepted

Photo (Before)		Photo (After)	
	Location: Portion 4 Description: Crack was found on the gas hose surface		Rectification: Description:



Data analysis to assist in formulating safety training plan

Apply 4D Immersive CAVE System for enhancement safety training

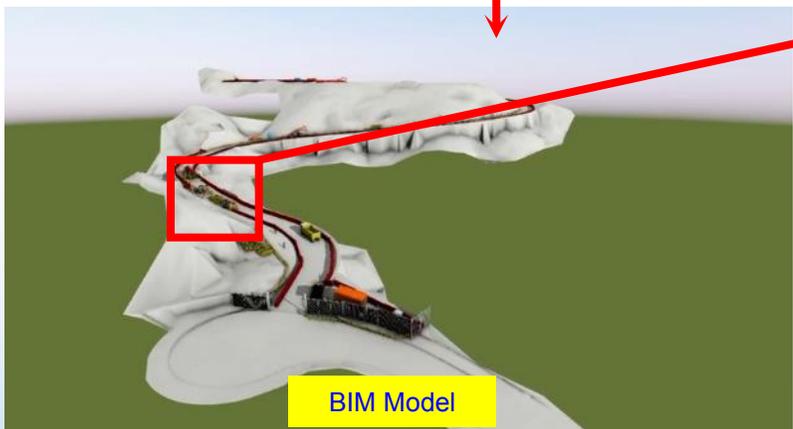


Immersive environment provides remarkable experience for newcomers during induction safety training

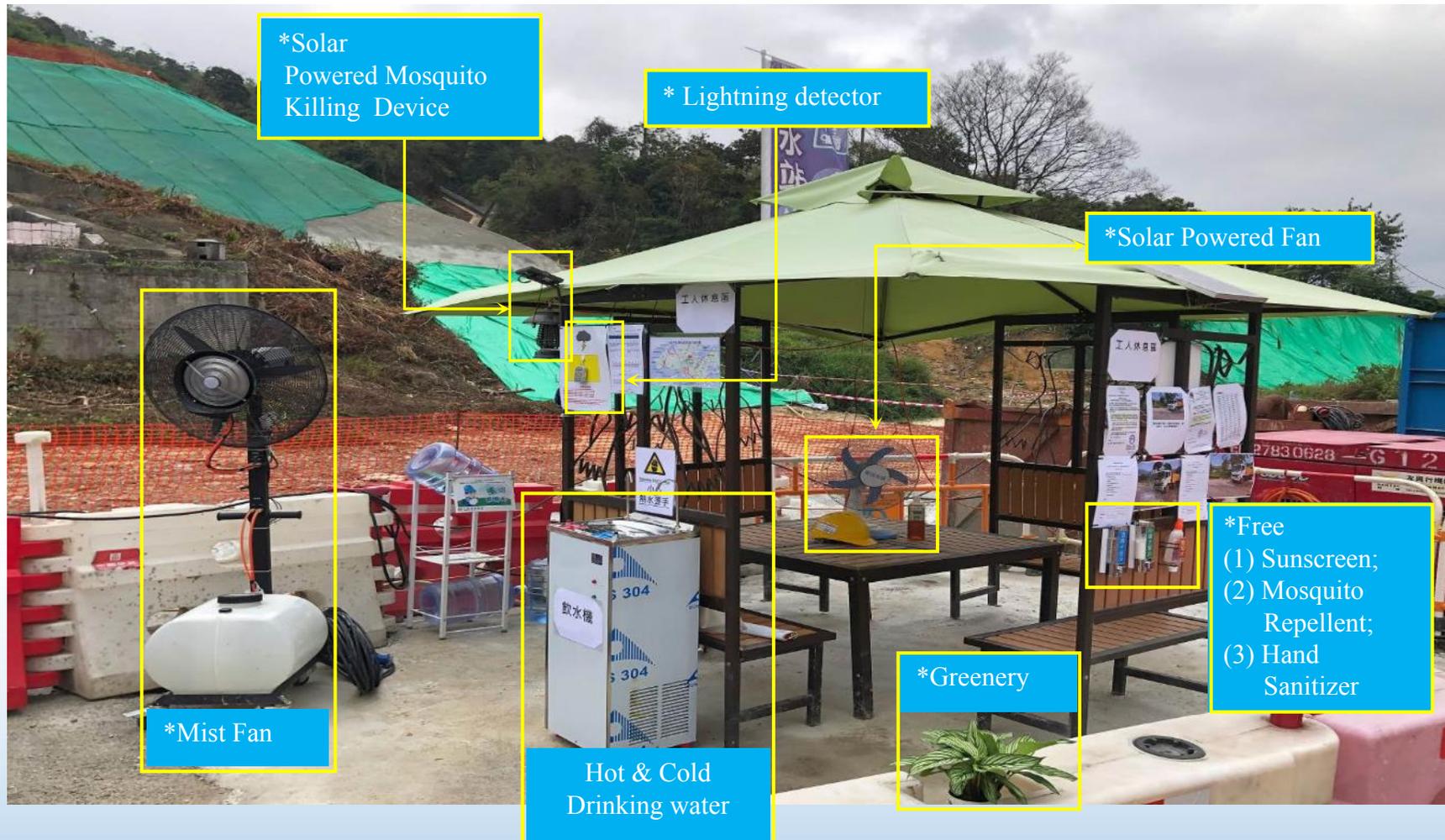


Incorporate the CIC VR training kits into CAVE System for enhancement of safety training

Develop Project Specific Safety Training Game Based on Actual Site Condition



Deploy high standard shaded resting facilities for workers



Health Assurance Measures for Workers



Free medical examinations



Provide free face masks daily



Health check during induction training

Co-organize health education with outside professional practitioners



Healthy Diet Talk provided by The Taisho Pharmaceutical HK Ltd.



Cancer Prevention Talk provided by the Hong Kong Anti-Cancer Society

Adopt deodorizing agent to improve indoor air quality



Foster an Effective Communication Channel to Avoid Complaint



Cultivate a Harmony Relationship with Neighborhoods



Care of the Neighborhoods



Improve Construction Site Scenery



Improve Construction Site Scenery



Reduce Noise Impact



Dust Mitigation Measures



Upcycle Wood Waste for Production of Furniture



Waste Avoidance Measures



Waste Avoidance Measures



Buildings to be Demolished is Retained as Worker's Resting Facility



**Hand held
massager provided**



More comfortable toilets



Ice Maker



Air conditioning



Hot water shower



AED

Collect Construction Waste for Planting and Greening the Site



Use of Renewable Energy



Conservation of Rare Flora Species

