Enhancing MEWP Safety in HK Third Runway Division Sharing



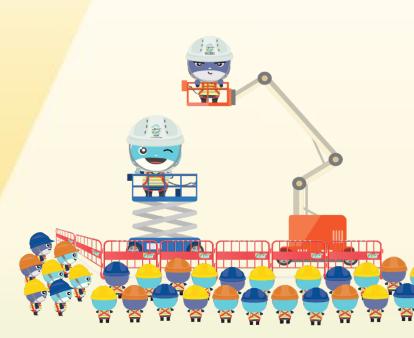


Journey of MEWP Safety Strategy

三跑道項目處 流動式升降台安全策略旅程

Timothy CHENG

Manager, Safety Third Runway Division Airport Authority Hong Kong



21 June 2023



Today's Speakers 😽

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Today's Speakers



Enhancing MEWP Safety in HK Third Runway Division Sharing

提高香港流動式升降台安全 三跑道項目處的分享









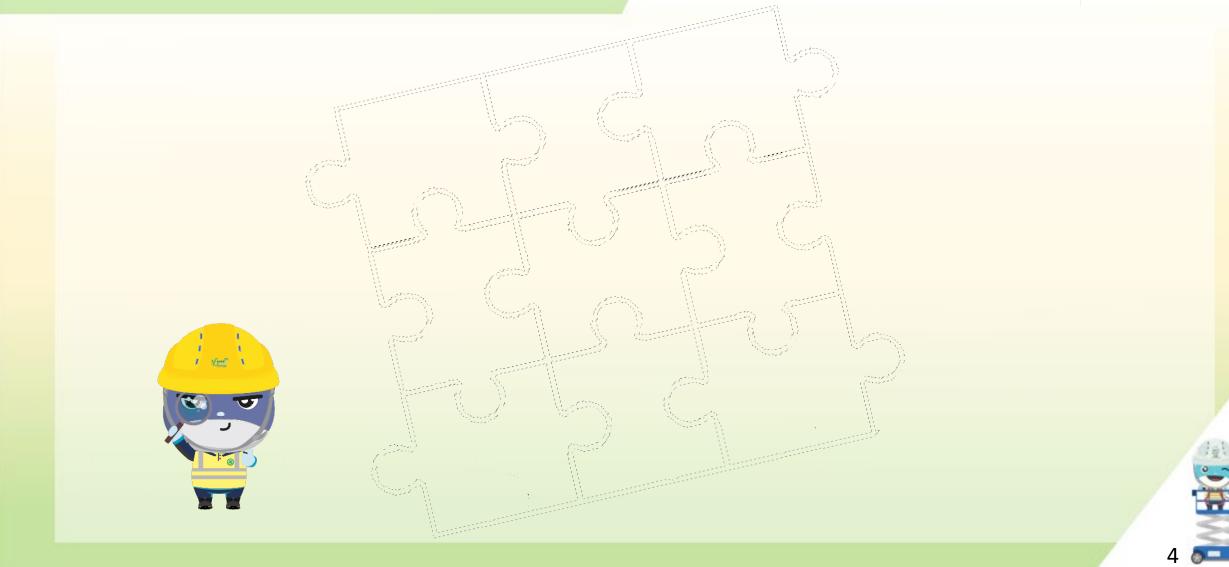




What's Missing ?



-



Why is MEWP needed for management ?



Safety of MEWP managed ?

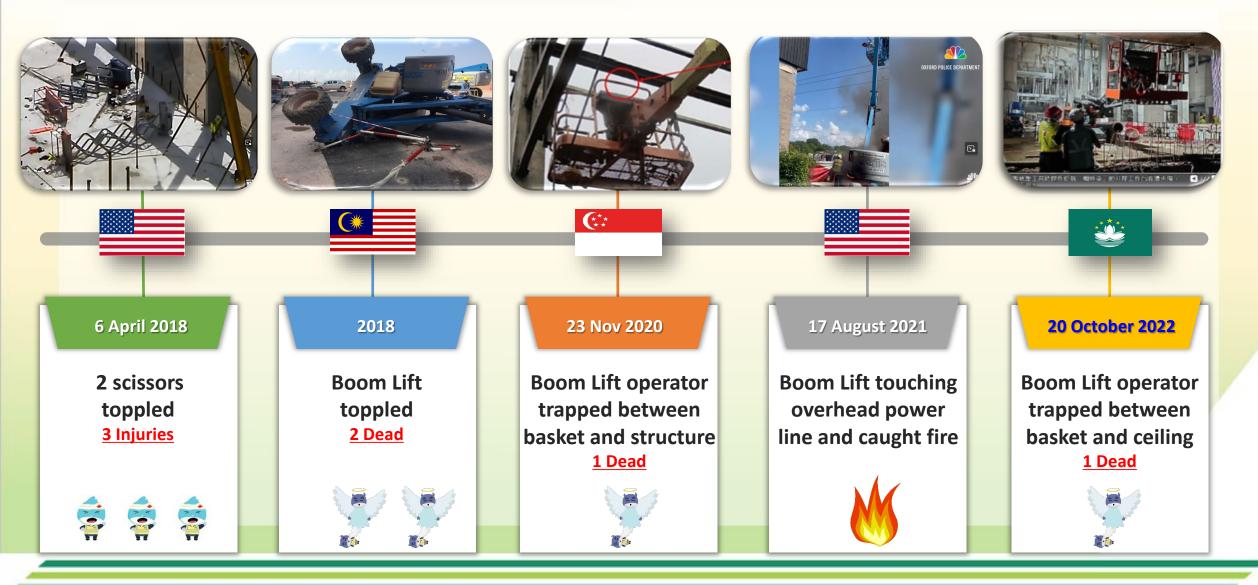




Global MEWP Accident



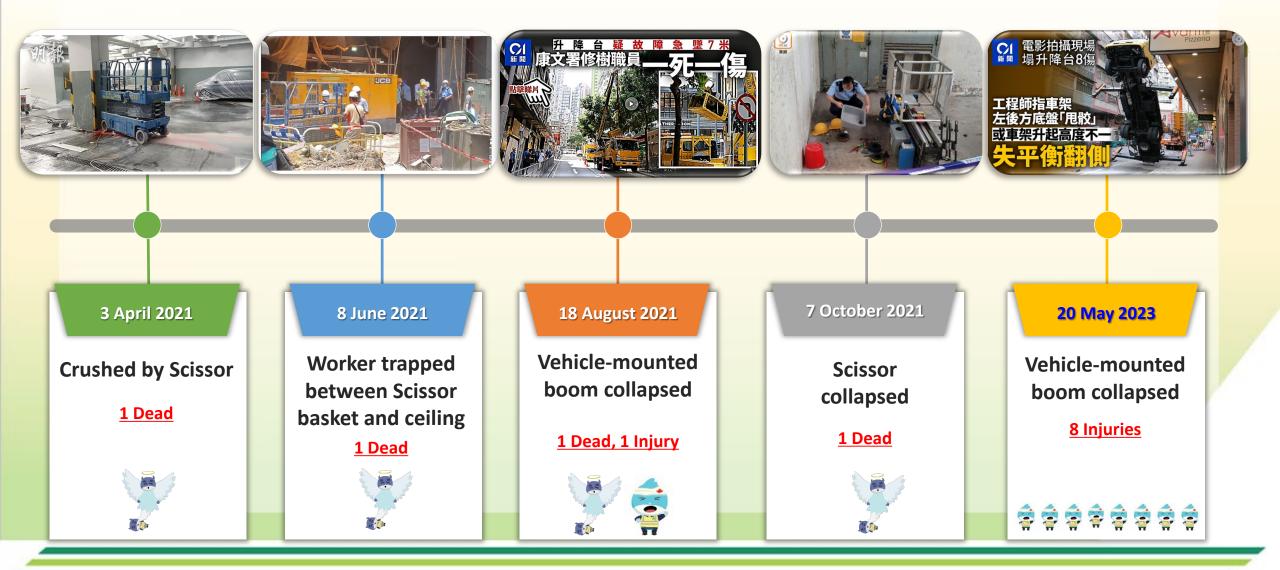




HK MEWP Accident







In 21 months time !







18 August 2021, Vehicle 1 Dead & 1 Injury



20 May 2023 8 Injuries



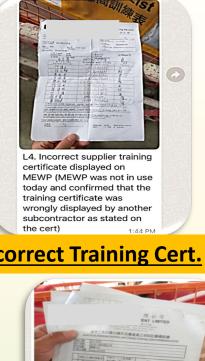
Current HK Trade Practice in MEWP Management



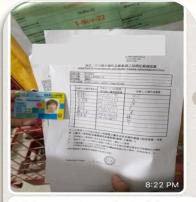
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Current HK Trade Practice in MEWP Management









L7. Incorrect supplier training certificate displayed for MEWP.

8:2

Operator NOT on List



Crowded Training > 30 workers



MEWP Training Conduct at Workplace



L10. Supplier training list displayed not matching with MEWP model.





Lack of MEWP Management Training to **Managerial Staff**



No Practical Training nor Practical Testing



HK Legal Regime for MEWP



HK Legal Regime for MEWP

Covered by:

- Cap 59. F&IUO (Section 6A) General Duties of Proprietors
- ✓ Guidance Notes on Safe Use of Poweroperated Elevating Work Platforms

Area of Concerns:

- Competence of Operator
- Maintenance and Examination
 - Supervision



International MEWP Code of Practice and Standard



International COP and Standard







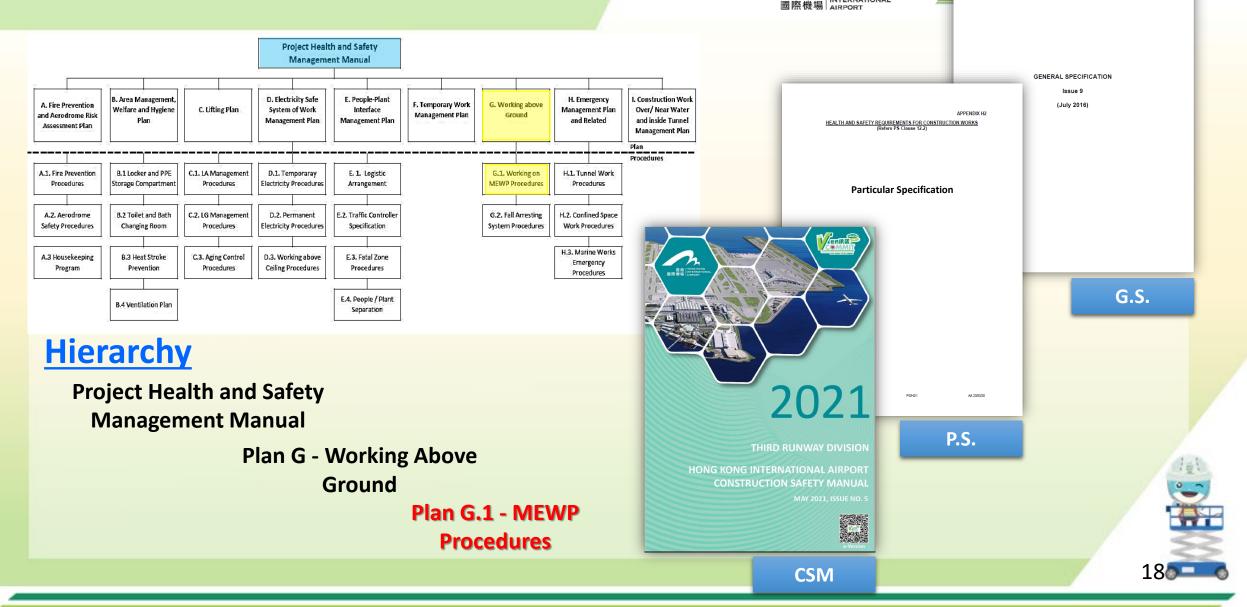
TRD Safety Strategy in MEWP



TRD Safety Management Manual

HONG KONG INTERNATIONAL

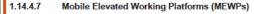
AIRPORT AUTHORITY HONG KONG



Contract Requirement and Briefing Pack



P.S. Requirements – 1.14.4.7



1.14.4.7.1 The *Contractor* shall submit a "Working on MEWP Procedures" as part of the "Work above Ground Plan".

> The "Working on MEWP Procedures" shall address, but not be limited to :-

- Competence of "Operator's Trainer"
- Competence of MEWP Inspector
- Training Plan and Program for "Operator"
 Identification System for Operator
- Identification System for Operator being trained
 Training Cord issued to Operator and tracking
- Training Card issued to Operator and tracking system.
- Testing, Inspection Plan and Programme
- Record Management for Testing and Inspection
- 1.14.4.7.2 Flashing light and audible alarms shall be provided and function normally when the MEWPs are in operation and during travelling. *Flashing light and audible alarms*
- 1.14.4.7.3 MEWPs shall be used on ground within the angle *Working angle* stated in the manual and its tires shall be with correct pressure. (if applicable)
- 1.14.4.7.4 The maximum load capacities in both English and Maximum load Chinese shall be displayed on the machine. The capacities load capacities specified by the manufacturer shall not be exceeded.
- 1.14.4.7.5 The fatal zone (Works area and areas with Fatal Zone potential falling objects) shall be fenced off with red, continuous and connected barriers to prevent unauthorized entry.
- 1.14.4.7.6 The key shall not be left in an unattended MEWPs. Key
- 1.14.4.7.7 The working platform of MEWP should be lowered Travelling of down to the lowest level before travelling except MEWPs allowed by the Operational Manual
- 1.14.4.7.8 The Contractor shall provide short lanyard safety harness, i.e. length not more than 1m, to each worker working on MEWPs to prevent falling outside of the working platform.

- Competence of "Operator's Trainer"
- Competence of MEWP Inspector
- Training Plan and Program for "Operator"
- Identification System for Operator being Trained
- Training Card Issued to Operator and Tracking System
- Testing, Inspection Plan and Program
- Record Management for Testing and Inspection

Contract Requirement and Briefing Pack







Briefing Pack to Contractor's Management , Supervisory and safety staff

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03

How many MEWPs currently in HK?



MEWPs Quantity in Hong Kong



Types of MEWP	Scissor	Boom	Spider	Total
No. of MEWP <u>in HK</u>	20,000	3,000	300	23,300
No. of MEWP <u>in Use</u>	15,000	2,000	100	17,100
\sim				
No. of Operators	22,500	3,000	150	25,650

* Source from AWP Association

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TRD's Challenge on MEWPs 😽



Terminal 2 Expansion Project Terminal 2 Concourse Project







Contract No.: C3508 Terminal 2 Expansion Area on plan : 88,704 m² Total Floor Area : 552,000 m²

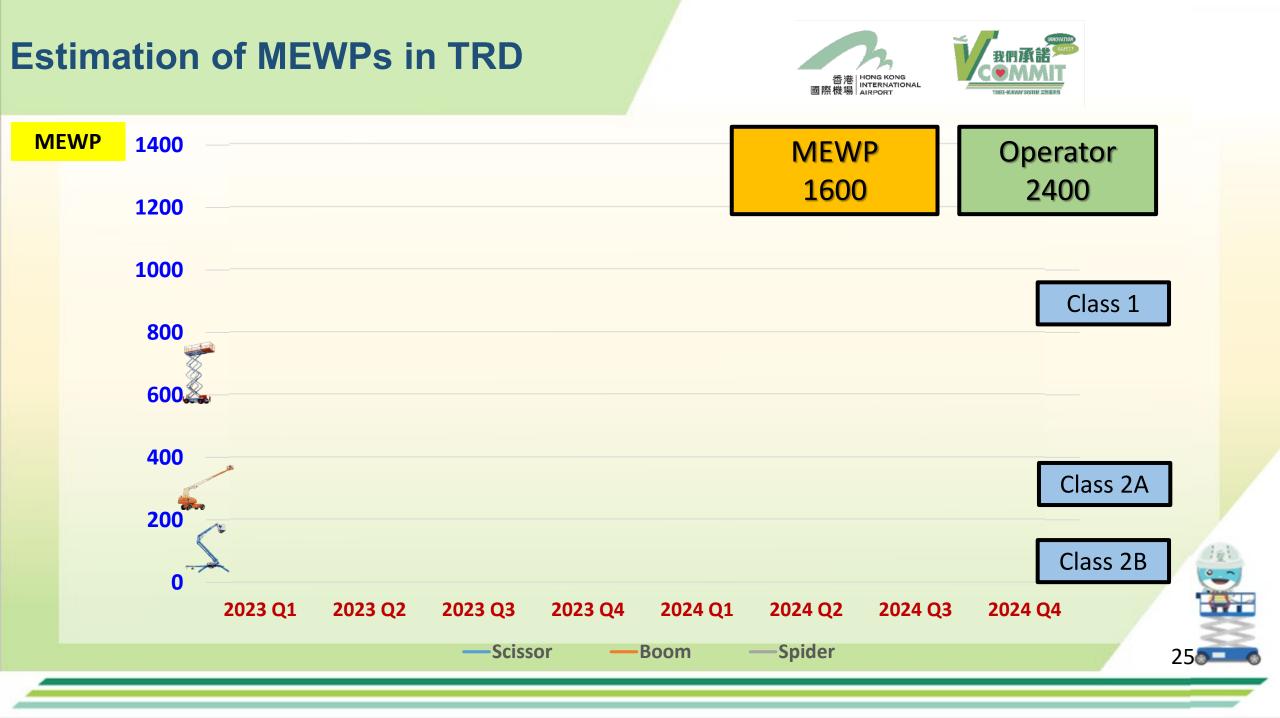


北京城建-其士建築聯營 BUCG-CCCL JV



Contract No.: C3408 T2 Concourse Area on plan : 120,020 m² Total Floor Area : 519,368 m²

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TRD Management Safety Initiative



31 March 2023

Annual Safety Management Review Meeting chaired by Executive Director and General Managers, Third Runway Division (TRD) committed to initiate the MEWP Safety Program via VCommit Incentive Scheme.

MEWP Safety Program 2023

- **1. Training for Operator**
- 2. Training for Manager and Supervisor
- 3. Innovative and Best Safety Device
- 4. Supporting Safety Device for CITF Application
- 5. Incentive and Subsidizing Program





Coming Up !

Partnering for MEWP Safety in Hong Kong 攜手提升香港流動式升降台安全





