



Digital Log-books System for Lifts and Escalators

機電工程署
EMSD

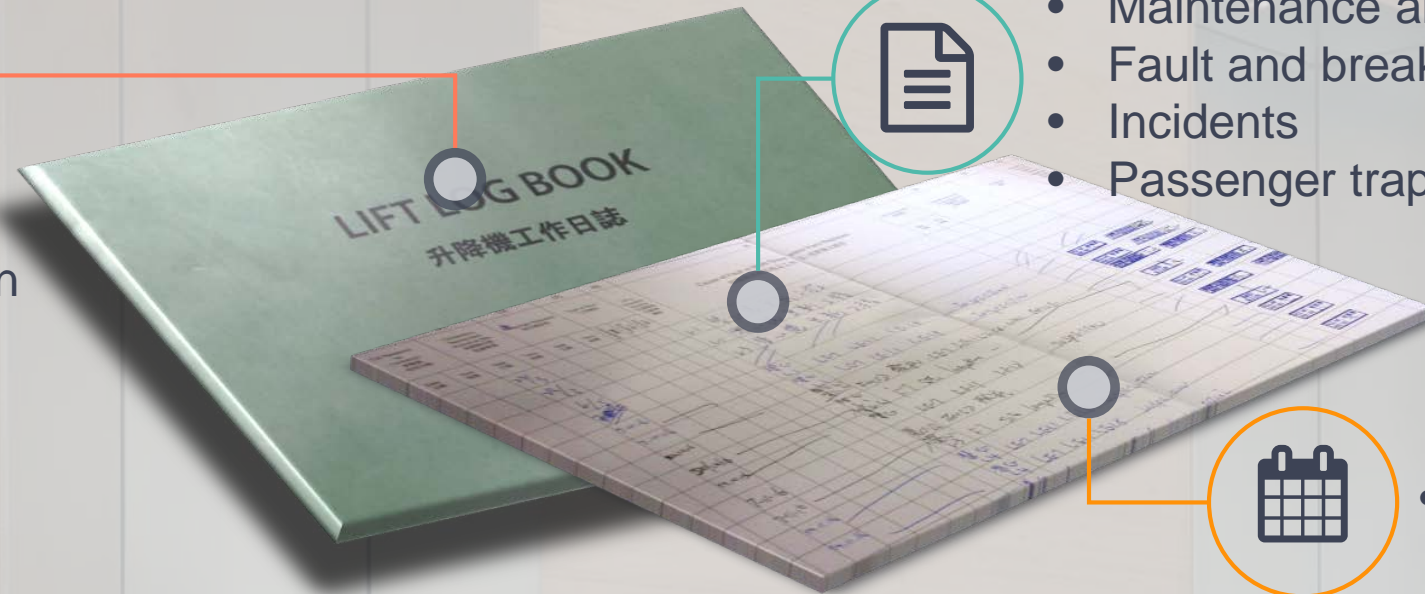


Log-books in Hong Kong

Requirements under the Lifts and Escalators Ordinance



- Basic particulars
- Technical information



- Maintenance and examination records
- Fault and breakdown records
- Incidents
- Passenger trapping cases



- Maintenance plan

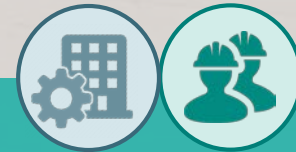
01. KEEP



Responsible Persons (RPs)
for Lifts or Escalators



02. RECORD



Registered Contractors
Registered Engineers
Registered Workers



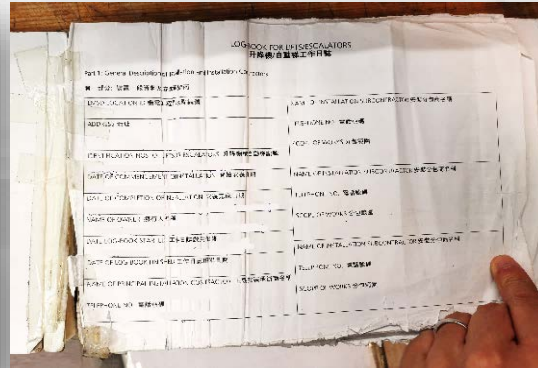
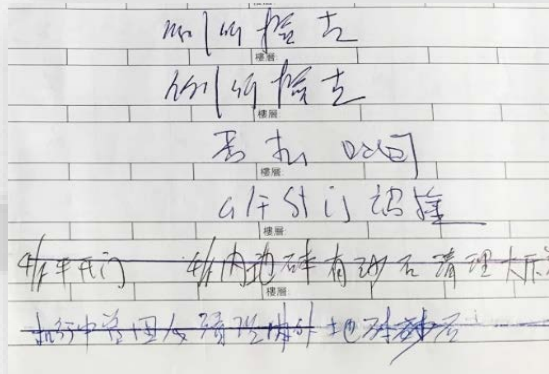
03. INSPECT



EMSD



Limitations of Paper-bound Log-books



E10	檢下台梳齒開鎖	26/12/15	12:15
	手寫及檢查後正常	12/20	
E10	觸發下台扶手帶開鎖重	27/12/15	11:40
	置後正常		
E10, C1	例行保養	30/12/15	12:20
E15	批修出E15 梳齒盤	20/12	17:00
	開鎖完後機器重置後正常		

#
01**Accuracy**

Missing information, amendments or deletions

02**Availability**

Lost or damaged

03**Legibility**

Poor handwritings

04**Accessibility**

Scattered over Job Sites

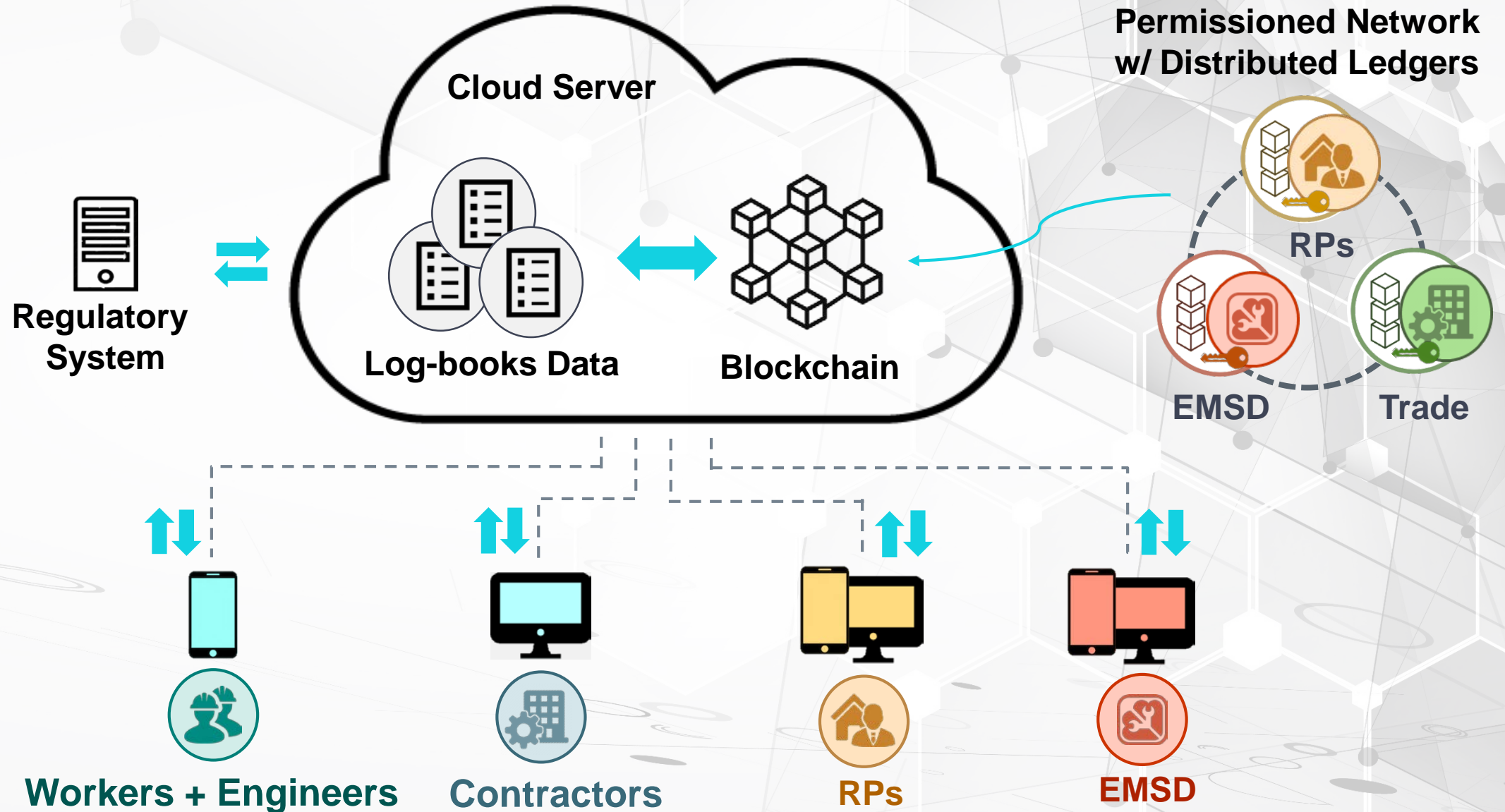
Our Approach to Digitalisation

All parties work together
to uplift lift and escalator safety and management

(影片連結: <https://www.youtube.com/watch?v=jYe1izlwGCA>)



System Architecture of Digital Log-books



Features of Digital Log-books

The Design Objective

智方便

Icons: Fingerprint, QR code, Location pin

The image shows a smartphone app interface with a login form for '用戶名稱 / 電郵' and '密碼'. Below the form is a '忘記密碼' link and a '登入' button. To the right, a person is shown scanning a QR code on a wall-mounted panel.

Smart Report **Support Image Upload**

Icons: Report, Camera

The image shows a smartphone app interface for generating a report. It includes a list of items to report, such as '電力設備', '消防設備', '安全設施', '電燈、排風、空氣機、通風機', '樓梯間的保養', and '升降機'. A hand is shown holding a smartphone to take a photo of a piece of equipment.

Cloud Upload

Icon: Cloud with arrow

The image shows a smartphone app interface for cloud upload. It features a cloud icon and the text '已在雲端上傳' and '自動上傳到雲端'. A hand is shown holding a smartphone.

Customized Dashboard **Facility Management**

Icons: Dashboard, Facility Management

The image shows a laptop displaying a customized dashboard for facility management. The dashboard includes a map of a facility, various charts, and data tables. The text 'EMS D Log-book' is visible in the top left corner of the dashboard.

Smart Notification **Real-time Report**

Icons: Notification bell, Report

The image shows a man in a suit sitting at a table, looking at a tablet. The tablet displays a real-time report with various data points and charts. The text 'EMS D Log-book' is visible in the top left corner of the report.

Benefits to Practitioners



Convenient & User Friendly App

Just a few clicks to complete a precise report

Higher Efficiency



Systematic & Analyzable Records

Preview records anytime, anywhere
Nurture good practice

Works Quality Booster

Traceability

Impersonation in filling in log-book and disinformation will disappear

Better Compliance



Pioneer & Role Model

In E&M Industry

Help to raise the status and image of lift trade

Improve Trade Image, Attract New Blood



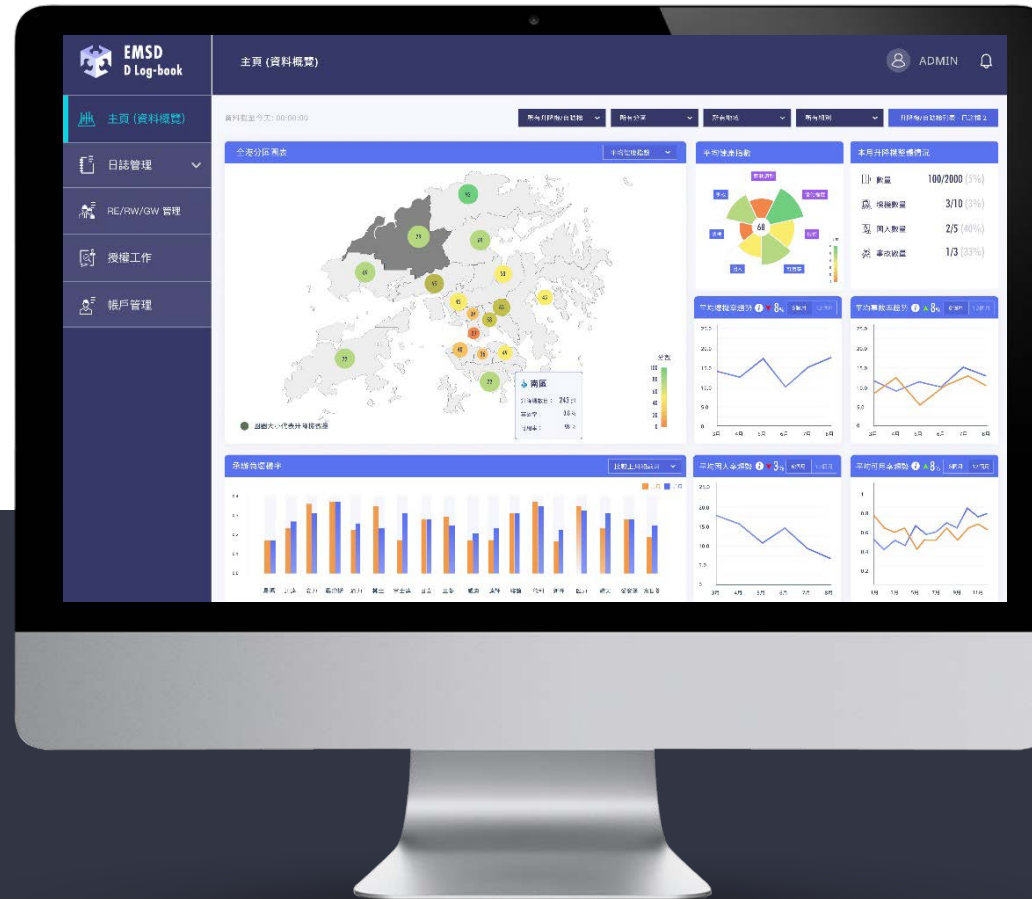
Benefits to RCs & RPs

Dashboard with Data Analytics



Dashboard for Contractors

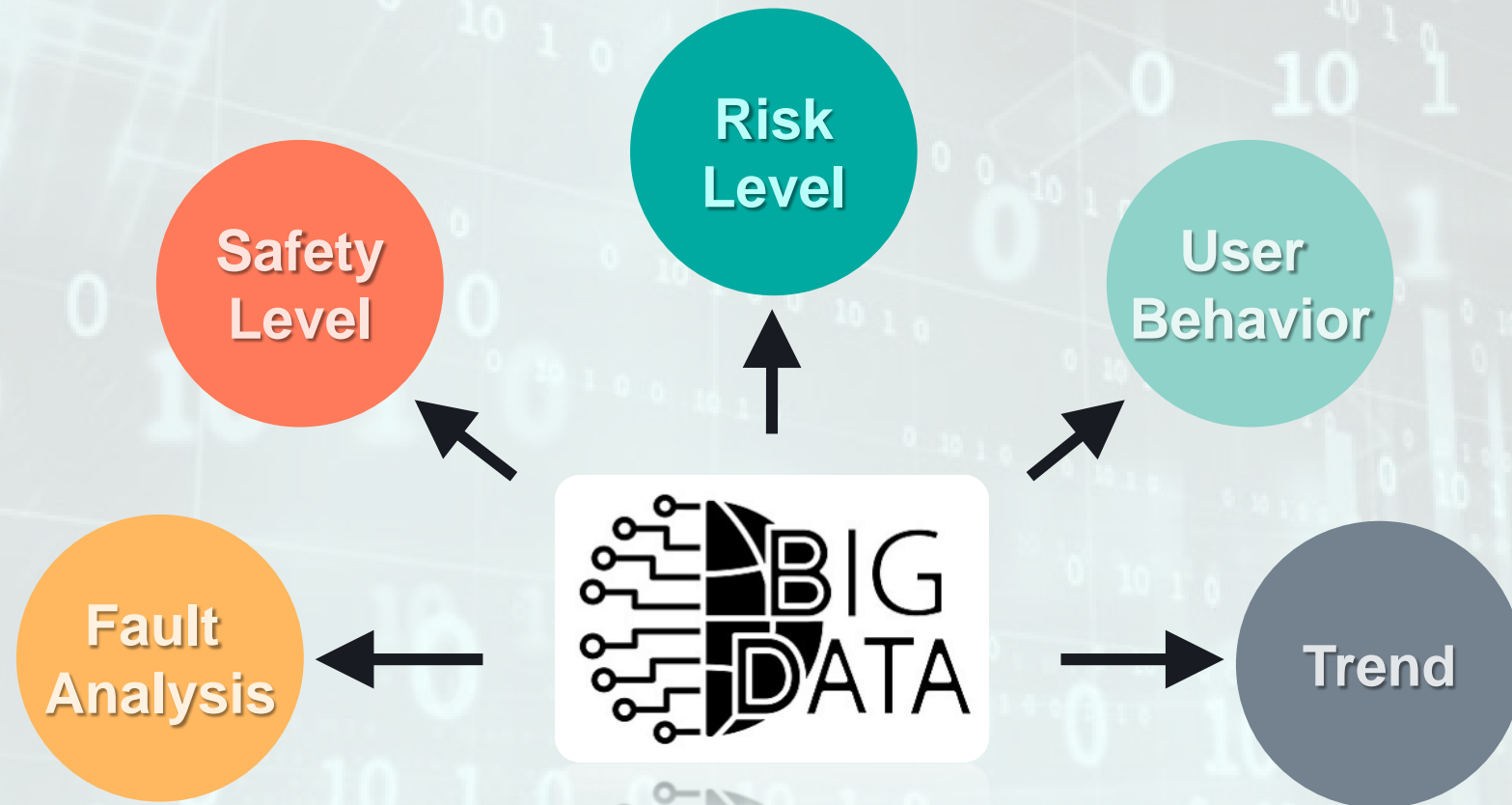
- Job monitoring
- Works progress
- Resources planning
- ➔ Operation optimization



Dashboard for Owners

- Facility management
- Contractor management

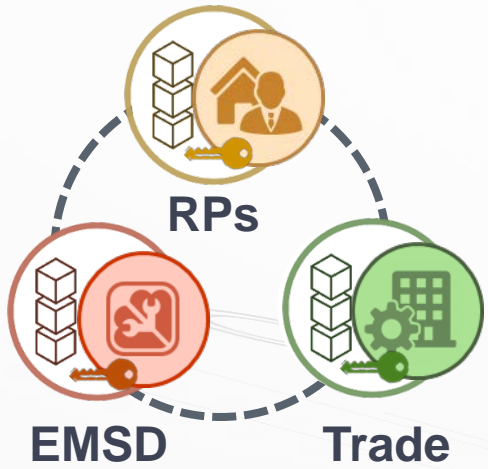
Embracing the Power of Big Data and AI Analytics



7000+ works activities (data updates) per day...

and data updates will continue to grow with more and more features added to the platform

From chaincodes to collaboration for better lift/escalator safety



Trust on records/data



Blockchain



We Plan and Test Together with Stakeholders



User Manual



Training

Workers + Engineers

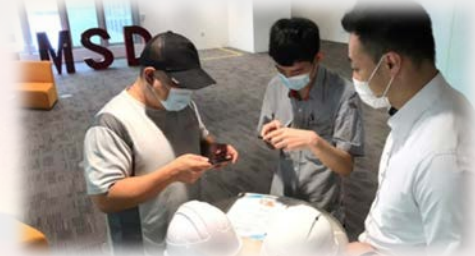
Contractors

RPs

EMSD



Support for Enquiry



Ambassador Visit



Roll-out of Digital Log-books

- Free of Charge
- Regarded as specified forms under the Ordinance
- Comply the stipulated requirement of keeping logbooks

Please contact EMSD / your RC to arrange the activation of Digital Log-books!



Seminars, Talks, Promotion

For Digital Log-books

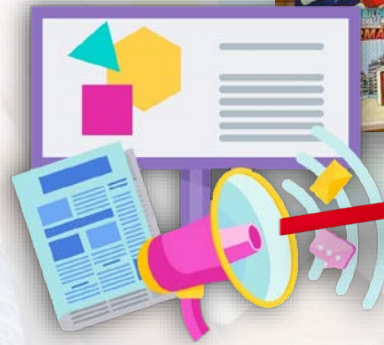


IFMA™ Hong Kong Chapter 30TH ANNIVERSARY
International Facility Management Association

Digital Log-books System for Lifts and Escalators
EMSD

Long Term Strategies for Enhancing Safety and Management of Aged Lifts
Electrical and Mechanical Services Department
General Legislation Division
EMSD

PROFESSIONAL DEVELOPMENT



PUBLICITY CAMPAIGN



香港 HONG KONG
國際機場 INTERNATIONAL AIRPORT

28K



HA



MTR



EMSTF



BSOMES



As at Nov 2023,

> 28000 nos. of log-books for lifts / escalators were digitalized



Enquiry

Hotline

For office hour (Public Holiday not included) Monday to Friday, 9am-6pm support

[IT Support Issue – 3741 8880](tel:37418880)

[Operational Issue – 9761 6685](tel:97616685)

WhatsApp

For office hour (Public Holiday not included) Monday to Friday, 9am-6pm

[WhatsApp to 9260 7011](https://api.whatsapp.com/send?phone=92607011)

Email

If have any suggestion, please email to:

Digitallogbooks@emsd.gov.hk

Webpage

For more details of Digital Log-books, please go to:

https://www.emsd.gov.hk/en/lifts_and_escalators_safety/digital_log_books_system/index.html

