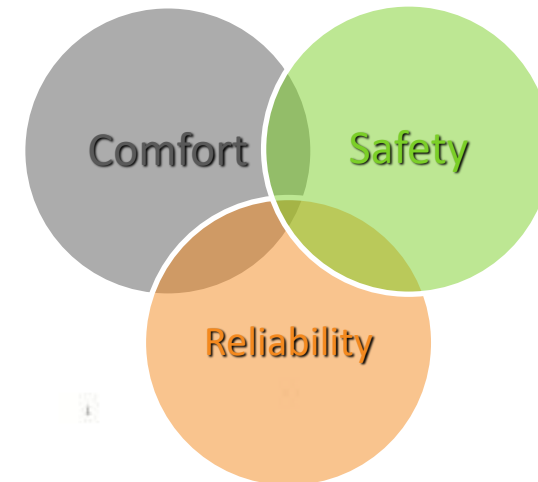
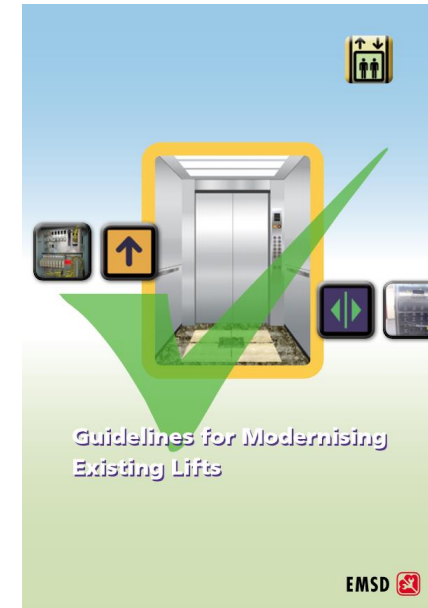


Guidelines for Modernising Existing Lifts

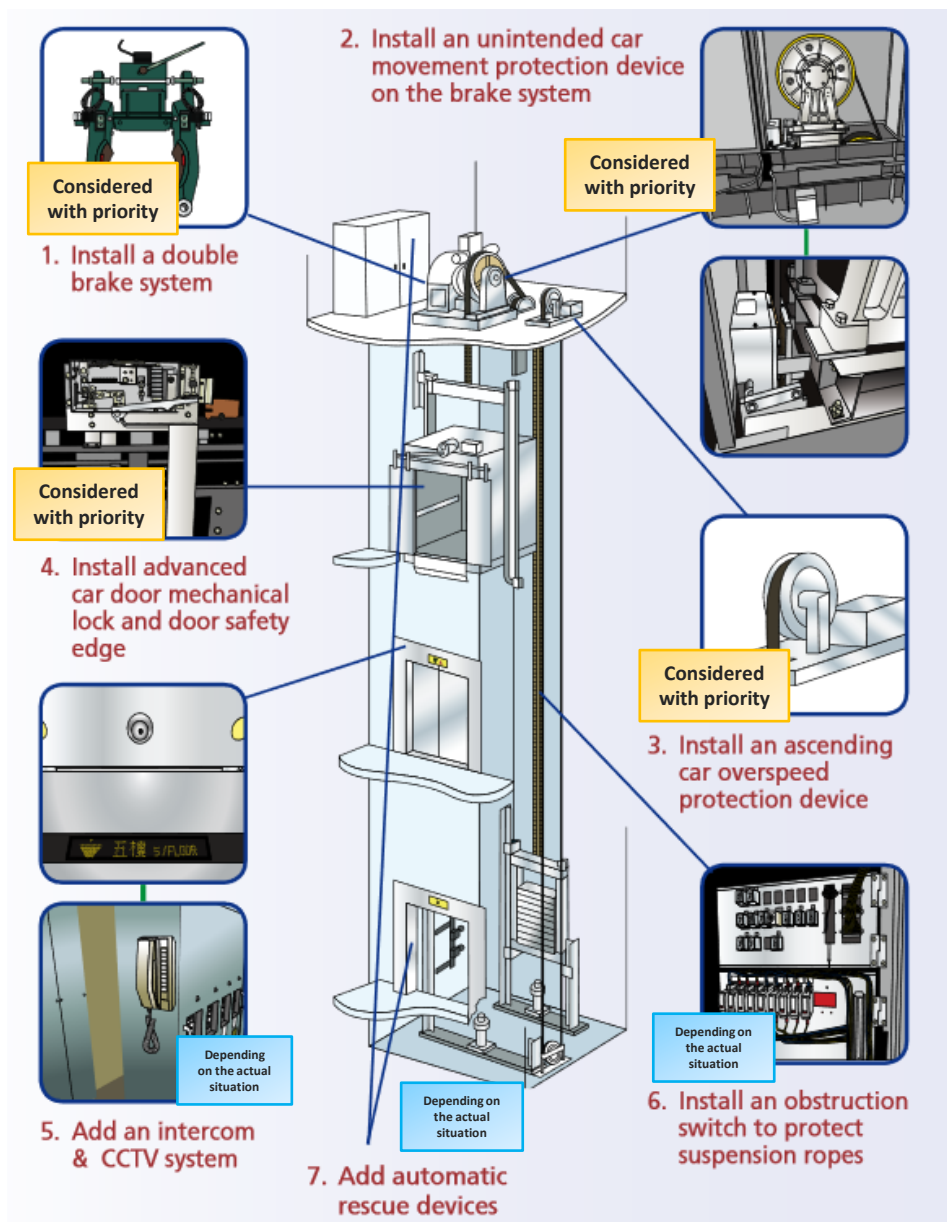
Electrical and Mechanical Services Department -
General Legislation Division

Guidelines for Modernising Existing Lifts

- Lift is an important mode of transport which we use every day in Hong Kong, a city with a high density of tall buildings.
- Frequent use leads to wear and tear of lift parts which is inevitable.
- Aged lifts were installed in earlier times according to the old design and safety standards. With rapid technological advancements in recent years, modern lifts are equipped with more comprehensive safety devices than the aged ones.
- These Guidelines aim to help responsible persons for implementing lift modernisation solutions to make their existing lifts safer, more reliable and comfortable.



Applicable Solutions for Enhancing Requirements of Existing Lifts



Next steps for Responsible Persons for Lifts

- Responsible persons of aged lifts are recommended to consider the following enhancement solutions :
 - Modernisation of the existing lifts according to EMSD's guidelines
 - Total replacement of the existing lifts to bring them up to the prevailing safety standard.
- Modernisation of aged lifts can result in savings in operation cost, and replacement of lifts can also save on energy cost. This provides additional financial incentives to responsible persons to expedite the progress of modernisation of aged lifts.
- Responsible persons can consult their engineering consultant or registered lift contractor on the technical feasibility of the enhancement solutions.

Lift Modernisation Promotion Video – 3 Successful Stories



Funding Assistance for Modernising Existing Lifts

- Government Funding Schemes
 - Integrated Building Rehabilitation Assistance Scheme (administered by Urban Renewal Authority)
 - Building Maintenance Grant Scheme for Needy Owners
 - Common Area Repair Works Subsidy
 - Building Safety Loan Scheme (administered by Building Department)
- Other Relevant Funding Schemes
 - The CLP Eco Building Fund (administered by CLP Power Hong Kong Limited)
 - HK Electric Smart Power Building Fund (administered by The Hong Kong Electric Co., Ltd.)

Lift Modernisation Resource Corner



Lift/Escalator Modernisation Resource Corner

Why Modernising Existing Lifts/Escalators

The dates of installation of lifts/escalators in Hong Kong span decades, with each lift/escalator equipping technology appropriate at the time of installation. Nevertheless, rapid technology advancement in recent years means that room for enhancement, with respect to safety, reliability and traveling comfort, exists for aged lifts/escalators. By virtue of various modernization solutions, the safety, reliability and traveling comfort levels of aged lifts/escalators can be brought to those of the prevailing standard.

Duties of Responsible Persons for Lifts/Escalators

Where major alteration/modernisation works are required to be carried out, RPs shall employ a registered lift/escalator contractor to carry out the works for their lift/escalator. Upon completion of major alteration/modernisation works, RPs shall arrange a registered lift/escalator engineer to examine the lift/escalator before resuming its normal use and operation.

Tips for Modernising Existing Lifts/Escalators

RP's should consider factors such as spatial restrictions, technical feasibility and cost implications before deciding on whether to replace major components of existing lifts/escalators, or install new safety equipment according to EMSD's guidelines. RP's could also consider total replacement of existing lifts/escalators to bring the lifts/escalators up to the prevalent safety standard.

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





Digital Log-books System for Lifts and Escalators

機電工程署
EMSD

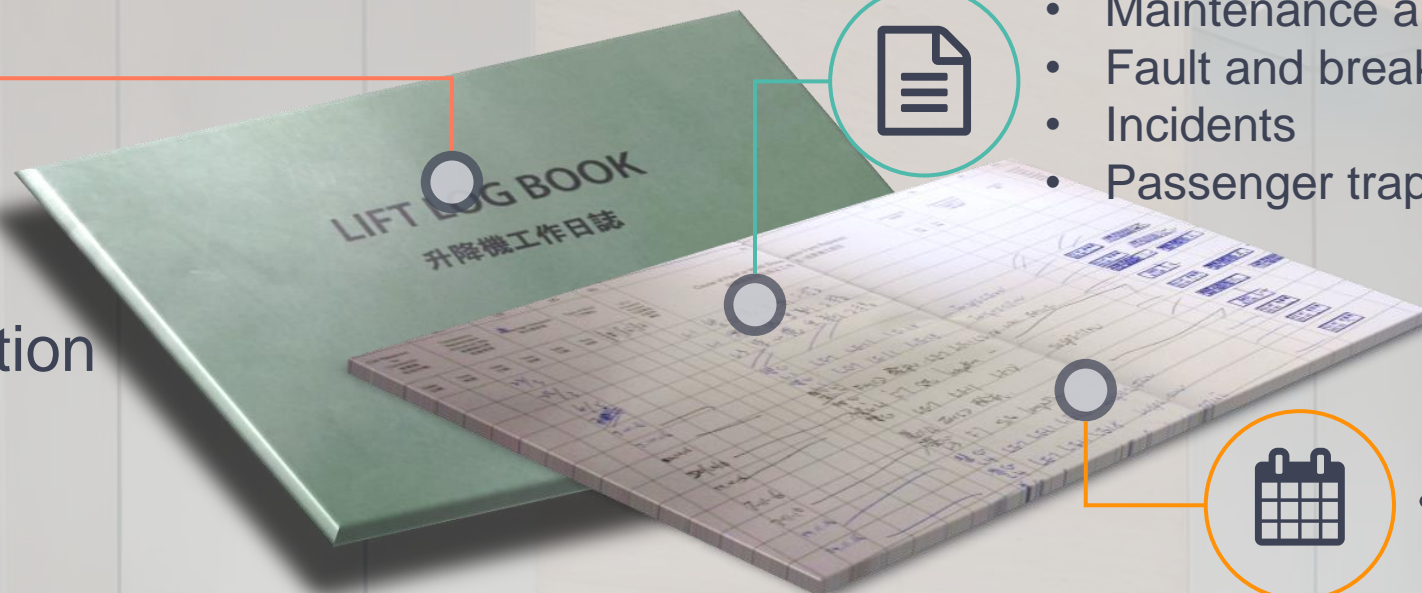


Log-books in Hong Kong

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

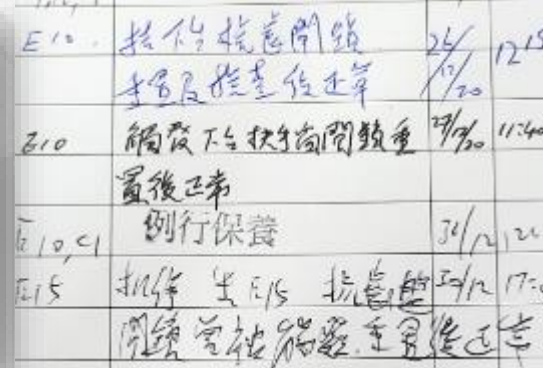
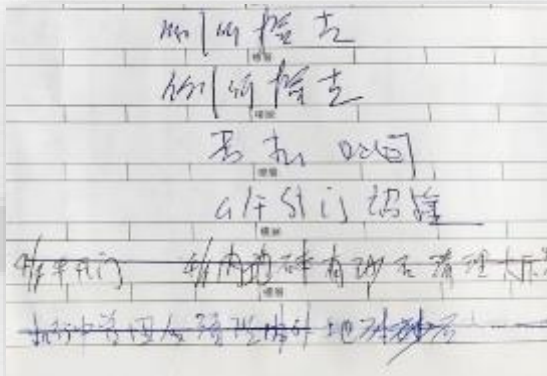


03. INSPECT

EMSD



Limitations of Paper-bound Log-books



01



Accuracy

Missing
information,
amendments or
deletions

02



Availability

Lost or
damaged

03



Legibility

Poor
handwritings

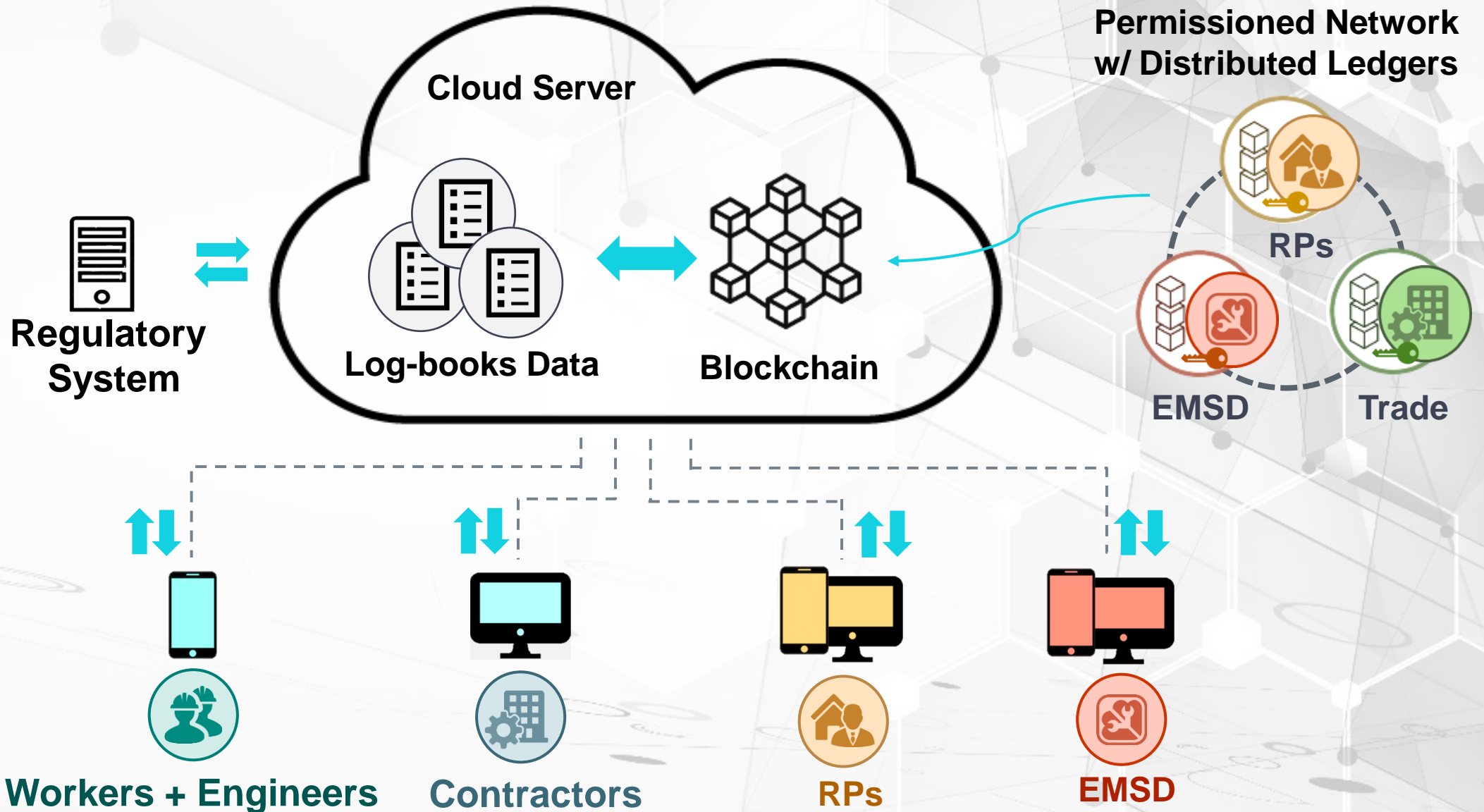
04



Accessibility

Scattered
over Job Sites

System Architecture of Digital Log-books



Features of Digital Log-books

The Design Objective



Smart
Report



Support
Image Upload



Cloud
Upload



Customized
Dashboard



Facility
Management



Smart
Notification



Real-time
Report



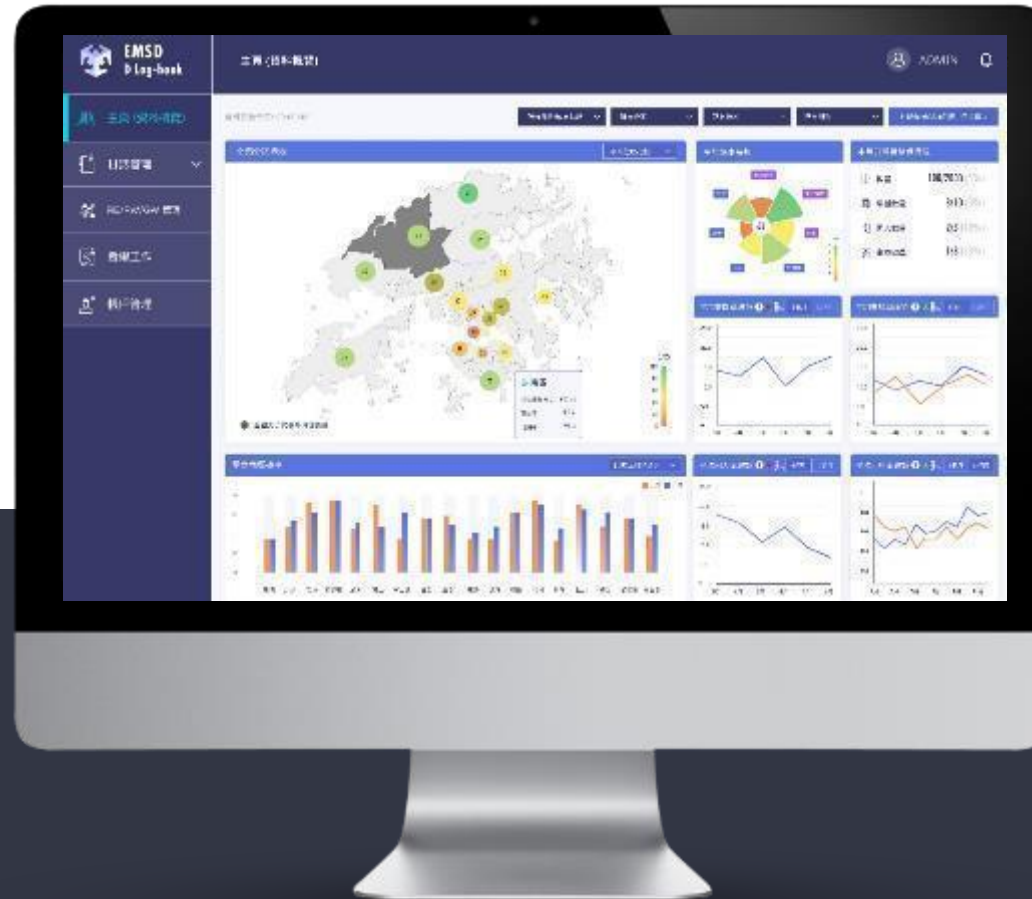
Benefits to RCs & RPs

Dashboard with Data Analytics



Dashboard for Contractors

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



Dashboard for Owners



- Facility management
- Contractor management

We Plan and Test Together with Stakeholders



User Manual

Workers +
Engineers

Contractors

RPs

EMSD



Support for
Enquiry



Ambassador Visit

Training



香港電梯業總工會
Hong Kong General Union of Lift and Escalator Employees



電梯業協會
THE LIFT & ESCALATOR
CONTRACTORS ASSOCIATION

REECAL
Registered Elevator & Escalator
Contractor Association Limited
註冊電梯營造商聯會有限公司



BSOMES
Building Services Operation and
Maintenance Executives Society
屋宇設備運行及維修行政人員學會



香港房屋委員會
Hong Kong Housing Authority

機電工程署
EMSD



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 your RC to arrange the activation of Digital Log-books.





Enquiry



Hotline

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

IT Support Issue – 3741 8880

Operational Issue – 9761 6685



WhatsApp

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

WhatsApp to 9260 7011



Email

If have any suggestion, please email to:

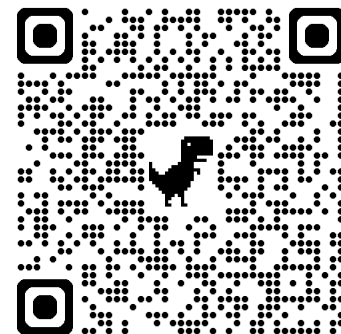
Digitallogbooks@emsd.gov.hk



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



Digital Log-books – Dedicated Webpage

URL:

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



- Background & Introduction
- Promotion Videos
- User Manuals
- Enquiry
- More...

The screenshot shows the homepage of the EMSD Digital Log-books System. The header includes the EMSD logo and the text 'Electrical and Mechanical Services Department, The Government of the Hong Kong Special Administrative Region'. A navigation menu on the left lists various services, with 'Lifts and Escalators Safety' highlighted. The main content area features a banner for 'Lifts and Escalators Safety' and a section titled 'Digital Log-books System for Lifts and Escalators'. Below this, there is a 'Background' section explaining the system's purpose and a 'Features of Digital Log-books' section. At the bottom, a 'System Architecture of Digital Log-books' diagram illustrates the flow of data between the EMSD, the cloud server, and the log-book data, with links to 'Top' and 'Back' buttons.

EMS
Electrical and Mechanical Services Department
The Government of the Hong Kong Special Administrative Region

GOV.HK 香港政府一站通 | 繁體中文 | 简体中文

MOBILE VERSION | SEARCH [Enter search keywords] | SITE MAP

Home
What's New
About Us
Electrical Safety
Railway Safety
Energy Efficiency and Conservation
Gas Safety
Lifts and Escalators Safety
Other Regulatory Services
Supporting Government Initiatives
Engineering Services
Tenders, Contracts and Consultancies
Publications
Electronic Submission
Appointment Booking Service - HPO
Access to Information
Public Forum
Links
Contact Us
HSS

Lifts and Escalators Safety

Home » Lifts and Escalators Safety » Digital Log-books System

Digital Log-books System for Lifts and Escalators

Background

The Lifts and Escalators Ordinance requires the responsible persons (RPs) for lifts/escalators to keep a log-book to record the works done in relation to their lifts/escalators. Since 1987, the log-book has always been in paper format. With the rapid technological development in recent years, members of the public and the trade are getting more used to handling daily matters with digital tools. Meanwhile, digital technologies such as cloud and blockchain technologies are becoming more popular. To make good use of the digital technologies to benefit the public and the trade, the Electrical and Mechanical Services Department (EMSD) is developing the Digital Log-books System for Lifts and Escalators with blockchain technology to replace the log books in paper format.

Features of Digital Log-books

Through the mobile app of the Digital Log-books system, lift/escalator workers could upload the work details for lift/escalation to the cloud system with ease. The EMSD responsible persons ("RPs") and registered lift/escalator contractors ("RSCs") could download and view the previous and latest work record of the lift/escalators anytime and anywhere through the mobile app or web portal of the system. Blockchain technology would be applied for storage of the log book records, rendering the records tamper resistant and ensuring the authenticity of the log book content.

System Architecture of Digital Log-books

The diagram illustrates the system architecture, showing the flow of data between the EMSD, the cloud server, and the log-book data, with links to 'Top' and 'Back' buttons.

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Join the Election Together We Create the Future

2025立法會換屆選舉
Legislative Council General Election

12月7日 — 7DEC

機電工程署
EMSD



記得投票啊!!
Let's Vote!!



Thank You



數碼工作日誌
Digital Log-books